

20010830.qrp v02_n297.qrl.20010830

Date: Thu, 30 Aug 2001 19:03:04 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2297

QRP-L Digest 2297

Topics covered in this issue include:

- 1) [106042] Re: Math Theory Help
by "Karl F. Larsen" <k5di@zianet.com>
- 2) [106043] N9AW - FOXHUNT #20 LAST CALL
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 3) [106044] Re: Math Theory Help
by "Rob Matherly" <kc0bom@arrl.net>
- 4) [106045] Re: Math Theory Help
by Tom <kkleiner@megsinet.net>
- 5) [106046] Any QRP demos or talks planned for the ARRL Southwestern Convention?
by Rich McGee <rmcgee@csusb.edu>
- 6) [106047] Proposed test for the graphite Cabela pole
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [106048] Re: QRP-L digest 2296
by "harold prior" <spiritof66@worldnet.att.net>
- 8) [106049] Re: HF Bands again bad
by Steve Yates <aa5tb@yahoo.com>
- 9) [106050] RE: Math Theory Help
by Nick Kennedy <nkennedy@tcainet.net.com>
- 10) [106051] Re: Math Theory Help
by "Mike Yetsko" <myetsko@insydesw.com>
- 11) [106052] Re: No Mod WX band on FT817 cant get there from here
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 12) [106053] Re: Source for TUF mixers?
by "Phil (VA3UX)" <phil@vaxxine.com>
- 13) [106054] RE: Math Theory Help
by Nick Kennedy <nkennedy@tcainet.net.com>
- 14) [106055] Re: Bear photos
by John Harper AE5X <ae5x@qsl.net>
- 15) [106056] RE: Math Theory Help
by "Phil (VA3UX)" <phil@vaxxine.com>
- 16) [106057] Re: No Mod WX band on FT817 cant get there from here
by "Dave Fifield" <dave@redhotradio.com>
- 17) [106058] Re: Math Theory Help
by "ZOOM" <kandrparker@sympatico.ca>
- 18) [106059] Best of: Compilation of QRP fun...
by "N7SG K7FD" <k7fd@hotmail.com>

- 19) [106060] NEQRP CW Net, 30 August 01, 8:30 PM EDT, 3.565MHz
by Chuck Ludinsky <cjl@mitre.org>
- 20) [106061] Re: Math Theory Help
by "George, W5YR" <w5yr@att.net>
- 21) [106062] Re: Math Theory Help
by "George, W5YR" <w5yr@att.net>
- 22) [106063] Re: HF Bands again bad
by "Paul Harden, NA5N" <na5n@rt66.com>
- 23) [106064] Ooops!
by "George, W5YR" <w5yr@att.net>
- 24) [106065] Re: HF Bands again bad (NOT)
by Bob Nielsen <nielsen@oz.net>
- 25) [106066] RE: Math Theory Help - Calculator
by Beth Gardner / Dan Maguire <BethDan@pacbell.net>
- 26) [106067] WW2W - Kite Brookly QRP Club
by Anthony Catalano <acatalan@pipeline.com>
- 27) [106068] Re: QRP-L digest 2296
by DK3RED@t-online.de (Ingo DK3RED)
- 28) [106069] Re: HF Bands again bad
by Steve Yates <aa5tb@yahoo.com>
- 29) [106070] Re: Bear photos
by "Mike Yetsko" <myetsko@insydesw.com>
- 30) [106071] Re: Math Theory Help
by "Karl F. Larsen" <k5di@zianet.com>
- 31) [106072] Trade HW-8 for Antenna tuner
by timcook@erinet.com
- 32) [106073] Whiterook MK-44 Paddle Spacing Modification
by John <jmeade@telebyteusa.com>
- 33) [106074] Argosy Accessories Wanted
by John <jmeade@telebyteusa.com>
- 34) [106075] results NEQRP SSB NET Tuesday night
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
- 35) [106076] [CONTEST]QRP Contest Calendar - Sept 2001
by Ken Newman <N2CQ@citnet.com>
- 36) [106077] QRP AFIELD?
by ARDUJENSKI@aol.com
- 37) [106078] W.A.S. mw chase
by "George Osier" <gosier@twcnny.rr.com>
- 38) [106079] W9GFZ Going on the Air Again
by "Paul Harden, NA5N" <na5n@rt66.com>
- 39) [106080] Re: Bear photos
by ed miller <millered@magnet.fsu.edu>
- 40) [106081] Re: QRP AFIELD?
by "Karl F. Larsen" <k5di@zianet.com>
- 41) [106082] Re: Bear photos
by "Mike Yetsko" <myetsko@insydesw.com>
- 42) [106083] Re: [qrpp] MW W.A.S. chase
by "Jim" <sunwatt@starband.net>

- 43) [106084] New Issue of Bacon Bits is NOW ONLINE!!
by "Brian" <brian@iquest.net>
44) [106085] Re: Math Theory Help
by "Rob Matherly" <kc0bom@arrl.net>
45) [106086] Random Wire Antenna Corrosion
by "Tom Curtola" <tcurtola@home.com>
46) [106087] QRP AFIELD--Coffee Prize!!!
by ARDUJENSKI@aol.com
47) [106088] Contest: QRPDUPE New Version
by Brian Kassel <bkassel@dancris.com>
48) [106089] OT- Bars
by Pete Burbank <plburbank@kih.net>
49) [106090] Re: Bear photos
by Dave Fouchey <dafouchey@home.com>
50) [106091] NN1G QRP transceivers
by "Tom Bowman" <tbowman@nbn.net>
51) [106092] Edging Closer DXCC
by Larry Cahoon <lejek@erols.com>
52) [106093] RE: Math Theory Help
by <muglesto@ecentral.com>
53) [106094] RE: Math Theory Help
by <muglesto@ecentral.com>
54) [106095] OT: Bear Stories
by "Steven Weber" <kd1jv@moose.ncia.net>
55) [106096] MORE: NN1G QRP transceivers
by "Tom Bowman" <tbowman@nbn.net>

Date: Wed, 29 Aug 2001 17:05:37 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Leon Heller <leon_heller@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106042] Re: Math Theory Help
Message-ID: <Pine.LNX.4.33.0108291701060.1246-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Leon, in the real niti-grity, j is invented for EE so i can still stand for electric current. So in a real sense what you have is $41 + i42$ in math terms but that's confusing to EE students. But what you say is correct. $+j$ rotates the number to $+90$ degrees and $-j$ to -90 degrees. But for antenna use your not interested in angle really. You generally just want to make the measured j term go to zero.

On Wed, 29 Aug 2001, Leon Heller wrote:

> >How about an Elmer thread - one that explains what is meant when you see
> >the
> > $Z = XX + jYY$. How are XX and YY measured, what do they mean
>
> If you see $Z = XX + jYY$ it means you have an impedance consisting of a pure
> resistance XX in series with an inductive reactance of YY. YY is a pure
> inductor.
>
> $Z = XX - jYY$ is similar, with a capacitive reactance in series.
>
> j is the sq. root of -1, of course. It's needed because we are really
> dealing with vectors, and multiplying by j rotates a vector through 90
> degrees.
>
> Both XX and YY are measured in ohms. It can be a bit tricky to measure XX
> and YY with real components. The easiest way is with a network analyser
> (lots of \$\$\$). Antenna analysers do it, as well. You can add known L or C to
> get a resonant circuit, measure the resonant frequency and calculate the
> value of YY. By measuring the bandwidth you can also estimate the resistive
> component, XX.
>
> Once you know the values, you can add L or C to get a purely resistive
> circuit, which is required for a resonant antenna system. L and C reactances
> are equal at resonance.
>
> I'm a bit rusty on this stuff; I hope I've got it right. Someone will tell
> me if I haven't. 8-)
>
>
> 73, Leon
> --
> Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
> My web page: http://www.geocities.com/leon_heller
> My low-cost Altera Flex design kit: <http://www.leonheller.com>
>
>
>
> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 29 Aug 2001 23:03:25 -0500
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106043] N9AW - FOXHUNT #20 LAST CALL
Message-ID: <014501c13108\$b8a36560\$bd49cfa9@j0k9j2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Where did the summer go? Its hard to believe this weekend is Labor Day already.

Well, what say we finish off the Summer Fox Hunts with a BIG BANG.
Marshall, N1FN, and I have the pleasure of serving as your foxii for the last night of the summer foxhunts. Please join us.

N9AW will be operating around 14.056, listening up about 500 hz to 1 khz.
Please do not call on my frequency because I won't be listening there until later in the hunt.

By now you know the drill on the report but in case you miss it, your report will be:

559 WI JERRY 5W BK

Location: Near Milwaukee, WI
Transceiver: FT 1000 MP @ 5 w
Antennas: Mosley Pro57B at 60 ft. (last time I also tried a low to the ground dipole, it was useless)

I want to thank the Foxhunt Committee for all of the hard work they have put into the Summer Foxhunts, its been fun.

72,
Jerry N9AW

Date: Wed, 29 Aug 2001 18:10:20 -0500
From: "Rob Matherly" <kc0bom@arrl.net>
To: <k5di@zianet.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106044] Re: Math Theory Help

Message-ID: <003301c130df\$c7e999a0\$0811a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ah, you've just helped me a bunch with my Extra theory! Anyone care to explain polar coordinates?

72/73
Rob, kc0bom

----- Original Message -----

Brad, Just think "Simple". $41 + j42$ means just that the impedance seen at the input to your feed line is a 41 ohm resistor in series with a 42 ohm inductor. Had the number been $41 - j42$ then it would have been a 42 ohm capacitor.

Now the 42 ohms means this is the impedance of the capacitor at the frequency it was measured at. If you want to know the value of the capacitor, you use $c = 1/\text{frequency} \times 2 \pi \times 42$.

The 41 is just a resistor of 41 ohms.

Date: Wed, 29 Aug 2001 18:32:38 -0500
From: Tom <kkleiner@megsinet.net>
To: qrp-l@lehigh.edu
Subject: [106045] Re: Math Theory Help
Message-ID: <3B8D7B96.315C2900@megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>

> If you see $Z = XX + jYY$ it means you have an impedance consisting of a pure
> resistance XX in series with an inductive reactance of YY . YY is a pure
> inductor.

Leon,

What is it if the inductor is in parallel with the resistor?

Tom, N9HWC

>
>
>
>
>

Date: Wed, 29 Aug 2001 16:39:41 -0700
From: Rich McGee <rmcgee@csusb.edu>
To: qrp-1@lehigh.edu
Subject: [106046] Any QRP demos or talks planned for the ARRL Southwestern Convention?
Message-ID: <5.1.0.14.0.20010829163604.00ad51c0@mail.csusb.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The ARRL Southwestern Convention will be coming up the weekend of Sept. 8th, in Riverside, Ca, correct?
Does anyone know if there will be any QRP related events there? Getting to try out a few QRP rigs before I buy/build would be a real pleasure, as would taking with the veteran operators out here in list-land.

Rich de KY60

Date: Wed, 29 Aug 2001 19:12:45 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <nf0r@slacc.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [106047] Proposed test for the graphite Cabela pole
Message-ID: <009a01c130e8\$7e7c8440\$4e100a0a@rohredt2000>

Dave,
Here is a test to show if the graphite is absorbing RF:

Rig a way to hold the coil a couple diameters away from the pole, like with non conductive fish line tied to it, and a wood stake off to the side of the pole. Connect the coil to the antenna element wire as normal, the length out -of- vertical should have little effect for this test.

Measure the field Strength with a FS meter with this configuration of the coil NOT containing the pole. Record this reading for all bands, and maybe three points across a band.

Restore coil to normal use with pole inside the coil, rematch the antenna, and remeasure the field Strength. Measure at a couple of distances, to see if any effect is noticed. You may have to be outside the yard to observe the right FS effects if any.

IF you have an old thermocouple RF ammeter, which are often found at swap meets, you could also rig to measure RF line current in the transmission line for both coil configurations, pole inside and out.

Hopefully, if any meaningful effect, one of these tests may show a change. I would suspect, depending on construction, that the layup of the graphite filaments may be in a non conducting epoxy like substance, and that you are not actually getting a resistor effect, but just seeing the effect of capacity of the pole inside the coil.

GL and 72,
Stuart K5KVH

Date: Wed, 29 Aug 2001 20:27:17 -0400
From: "harold prior" <spiritof66@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [106048] Re: QRP-L digest 2296
Message-ID: <000a01c130ea\$8c95e9c0\$bb734f0c@o2p8y7>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <qrp-l@Lehigh.EDU>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 29, 2001 7:23 PM
Subject: QRP-L digest 2296

> QRP-L Digest 2296
>
> Topics covered in this issue include:
>

> 1) [105951] Tough day for HF
> by "Karl F. Larsen" <k5di@zianet.com>
> 2) [105952] Re: Tough day for HF
> by "Mike Malone" <mmalone@worldlogon.com>
> 3) [105953] RE: Tough day for HF
> by "Charles Mabbott" <crmabbott@mediaone.net>
> 4) [105954] Canadian Radio Help
> by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
> 5) [105955] More on Cabelas 14' Graphite Pole (long)
> by David Gauding <david.gauding@bbs.galilei.com>
> 6) [105956] Re: Tough day for HF
> by Bill ROWLETT <kc4atu@yahoo.com>
> 7) [105957] VP5ED QRP Operation
> by "Ron Polityka" <wb3aal@fast.net>
> 8) [105958] Circuit Simulator Software
> by David Gilson <kd3em@velocity.net>
> 9) [105959] No WX band on FT817...no biggie !
> by Duffer <hduff@ica.net>
> 10) [105960] Re: Cover of July 2001 QRP Quarterly
> by DYARNES@aol.com
> 11) [105961] Re: Stealth flagpole antenna
> by Fernie Williams <fern@ke4mai.com>
> 12) [105962] [Fwd: [Elecraft] VP5ED QRP Operation with My K2!]
> by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
> 13) [105963] Re: Cover of July 2001 QRP Quarterly
> by "James R. Duffey" <jamesd1@flash.net>
> 14) [105964] cub foxii
> by KB7WW Art Moe <kb7ww@uswest.net>
> 15) [105965] Ocean State Electronics
> by "Steve McDonald" <jsm@gulfislands.com>
> 16) [105966] Cub Fox Spots
> by "Robert P. Okas" <vintage@best.com>
> 17) [105967] Re: Cub Fox Spots
> by "Karl F. Larsen" <k5di@zianet.com>
> 18) [105968] Re: Ocean State Electronics
> by Pete Burbank <plburbank@kih.net>
> 19) [105969] Re: Cover of July 2001 QRP Quarterly
> by "Lee S. Mairs" <lmairs@cox.rr.com>
> 20) [105970] Re: Cub Fox Spots
> by Jeff Stai WK6I <jstai@home.com>
> 21) [105971] Re: Cub Fox
> by "Mike Malone" <mmalone@worldlogon.com>
> 22) [105972] Shelby HF?
> by John Farler <jfarler@peoplepc.com>
> 23) [105973] Cub Fox Log AA3UR Preliminary
> by "David Porter" <aa3ur@home.com>
> 24) [105974] Re: Cub Fox Log AA3UR Preliminary
> by "George, W5YR" <w5yr@att.net>

> 25) [105975] FS: HW-8 CW Transceivers
> by Thomas Kuehl <ac7a@gci-net.com>
> 26) [105976] Re: Ocean State Electronics
> by "Steve McDonald" <jsm@gulfislands.com>
> 27) [105977] FOX: Results
> by "Marshall Emm" <mgemm@mtechnologies.com>
> 28) [105978] Ahhhh, The Heathkit HW-8
> by "Trevor Jacobs" <fxtech@earthlink.net>
> 29) [105979] Antenna Question
> by "Thaire Bryant" <tbry37@mediaone.net>
> 30) [105980] Re: Ocean State Electronics
> by "John Dorson" <JDORSON@worldshare.net>
> 31) [105981] Re: Ocean State Electronics - URL
> by "Trevor Jacobs" <fxtech@earthlink.net>
> 32) [105982] OT - KF 520 component
> by =?iso-8859-1?Q?Jocs=E1n_D=EDaz_L=F3pez?= <jocsan@ctehab.minbas.cu>
> 33) [105983] Shelby, Nc HF
> by Dan Wolfe <n4roa@mounet.com>
> 34) [105984] OT: Science Fair Project using Ham Radio?
> by Michael Bower <bowerm@ix.netcom.com>
> 35) [105985] RE: Cover of July 2001 QRP Quarterly
> by "John L. Sielke" <w2agn@pobox.com>
> 36) [105986] Re: Post Cub Fox Hunt Thoughts
> by "Mike Malone" <mmalone@worldlogon.com>
> 37) [105987] Source for TUF mixers?
> by Ed Kessler <edkess@pa.net>
> 38) [105988] Re: OT: Science Fair Project using Ham Radio?
> by delphinus@brightok.net
> 39) [105989] Re: Source for TUF mixers?
> by "Robert Friess" <rfriess@attglobal.net>
> 40) [105990] New K8FF keys
> by k8ff@juno.com
> 41) [105991] FS: K2 160M/2nd RX Ant option
> by Gary Slagel <gds slagel@yahoo.com>
> 42) [105992] Re: Cover of July 2001 QRP Quarterly
> by John Harper AE5X <ae5x@qsl.net>
> 43) [105993] Re: Cover of July 2001 QRP Quarterly
> by w2agn@pobox.com (John Sielke)
> 44) [105994] Xicon Gas Tube Surge Arrestors
> by n4so@juno.com
> 45) [105995] EmTECH NW Series/ZM-2 antenna tuner
> by n4so@juno.com
> 46) [105996] Re: Source for TUF mixers?
> by "G3MFJ" <g3mfj@btinternet.com>
> 47) [105997] Re: Which QRP Rig
> by Donn Kuse <casey.jay@gte.net>
> 48) [105998] Bears, K1 and 3D2AG
> by John Harper AE5X <ae5x@qsl.net>

> 49) [105999] Re: Ocean State Electronics
> by Bruce Muscolino <w6toy@erols.com>
> 50) [106000] PSK-31 80M
> by "Pastor-KC1DI" <elbc@pivot.net>
> 51) [106001] RE: Cover of July 2001 QRP Quarterly
> by "William H. Launer" <wlauner@mail.win.org>
> 52) [106002] Re: PSK-31 80M
> by "Lee S. Mairs" <lmairs@cox.rr.com>
> 53) [106003] Re: Source for TUF mixers?
> by "Dave Fifield" <dave@redhotradio.com>
> 54) [106004] Re: No WX band on FT817...a SERIOUS concern!
> by "Mike Yetsko" <myetsko@insydesw.com>
> 55) [106005] Re: No WX band on FT817...a SERIOUS concern!
> by Radiohead <hduff@ica.net>
> 56) [106006] TEST. do not read
> by N10DL@aol.com
> 57) [106007] Re: No WX band on FT817...a SERIOUS concern!
> by "Mike Yetsko" <myetsko@insydesw.com>
> 58) [106008] FT-817
> by "Walt Amos" <k8cv@netzero.net>
> 59) [106009] Re: Canadian Radio Help
> by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
> 60) [106010] Re: A Tale of Cw Novice Days
> by Bill Coleman <aa4lr@arrl.net>
> 61) [106011] Re: 40673 Caution: techno-babble
> by Bill Coleman <aa4lr@arrl.net>
> 62) [106012] Re: No WX band on FT817...a SERIOUS concern!
> by Radiohead <hduff@ica.net>
> 63) [106013] Re: FT-817
> by John Harper AE5X <ae5x@qsl.net>
> 64) [106014] Re: Source for TUF mixers?
> by "Leon Heller" <leon_heller@hotmail.com>
> 65) [106016] RE: Cover of July 2001 QRP Quarterly
> by "John L. Sielke" <w2agn@pobox.com>
> 66) [106017] HF Bands again bad
> by "Karl F. Larsen" <k5di@zianet.com>
> 67) [106018] Re:CABELAS TELESCOPIC POLE
> by WY1W@aol.com
> 68) [106019] Interesting HB site
> by "Dan McLaughlin" <danmclaughlin@lycos.com>
> 69) [106020] Re: OT:Science Fair Project using Ham Radio?
> by John Harper AE5X <ae5x@qsl.net>
> 70) [106021] Re: EmTECH NW Series/ZM-2 antenna tuner
> by Scott Gregson - KC7MAS <emtech@steadynet.com>
> 71) [106022] Math Theory Help
> by "Mugleston, Brad" <brad.mugleston@gwl.com>
> 72) [106023] ARRL SW Division QRP Forum Friday Night Dinner
> by "Phinizy, William" <wphinizy@filenet.com>

> 73) [106024] Science Fair Projects using Ham Radio?
> by Kenneth Hoglund <hoglund@wfu.edu>
> 74) [106025] No Mod WX band on FT817 cant get there from here
> by Scotty Wright <zydeco9214@yahoo.com>
> 75) [106026] Re: Adding a BFO to a RCVR
> by Bill Coleman <aa4lr@arrl.net>
> 76) [106027] Elecraft Booth @ Shelby Ham Fest
> by Tim ORourke <TORourke@KaiserFT.com>
> 77) [106028] Re::Science Fair Project using Ham Radio? YES
> by Drbob92031@aol.com
> 78) [106029] Re: OT:Science Fair Project using Ham Radio?
> by Stephan Greene <sgreene@patriot.net>
> 79) [106030] RE: No WX band on FT817...a ? SERIOUS ? concern!
> by "Charles Mabbott" <crmabbott@mediaone.net>
> 80) [106031] RE: Cover of July 2001 QRP Quarterly
> by "Charles Mabbott" <crmabbott@mediaone.net>
> 81) [106032] Re: Math Theory Help
> by "Mike Yetsko" <myetsko@insydesw.com>
> 82) [106033] Re: HF Bands again bad aka The Sky is Falling, The Sky is
Falling...
> by "N7SG K7FD" <k7fd@hotmail.com>
> 83) [106034] Re: Antenna HELP
> by Bill Coleman <aa4lr@arrl.net>
> 84) [106035] Re: Antenna HELP
> by Bill Coleman <aa4lr@arrl.net>
> 85) [106036] Re: Math Theory Help
> by "Leon Heller" <leon_heller@hotmail.com>
> 86) [106037] Re: Math Theory Help
> by "Karl F. Larsen" <k5di@zianet.com>
> 87) [106038] RE: Math Theory Help
> by "Mugleston, Brad" <brad.mugleston@gwl.com>
> 88) [106039] RE: Math Theory Help
> by "Mugleston, Brad" <brad.mugleston@gwl.com>
> 89) [106040] Re: Cover of July 2001 QRP Quarterly
> by "bob baxter" <rbaxter@cybertrails.com>
> 90) [106041] Fox: ET, Notice for the Last One!
> by "Marshall Emm" <mgemm@mtechnologies.com>
>
> -----
>
> Date: Tue, 28 Aug 2001 17:15:00 -0600 (MDT)
> From: "Karl F. Larsen" <k5di@zianet.com>
> To: <qrp-l@lehigh.edu>
> Subject: [105951] Tough day for HF
> Message-ID:
<Pine.LNX.4.33.0108281707130.1915-100000@localhost.localdomain>
> MIME-Version: 1.0
> Content-Type: TEXT/PLAIN; charset=US-ASCII

>
>
> At noon MDT a 40 meter net was bad due to no short skip. At 4 pm
> another 40 meter net could not even hear each other well enough to
> understand anything.
>
> At 5 pm MDT a check of the beacon stations show that 20, 15 and 10
> meters are also in poor shape for long skip. Neither 15 nor 10 meters can
> hear california or NY or Canada. They copy south america very weak. 20
> meters is better with both NY and Canada and south america having good
> signals.
>
> If you don't hear the Fox's at 0200 it's not your rig or antenna,
> it's the sun again. To the Fox guys, find out what you can hear at 0145 Z
> and try hard to get guys from those locations, and don't worry until later
> about the rest. I KNOW that Dallas TX will not exist tonight on 20 or 40
> for that matter.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>
>
> -----
>
> Date: Tue, 28 Aug 2001 18:38:43 -0500
> From: "Mike Malone" <mmalone@worldlogon.com>
> To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
> Subject: [105952] Re: Tough day for HF
> Message-ID: <000901c1301a\$9400ae00\$4800000a@nationwiderecovery.com>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Is kinda like when you wash the car it rains... improve the antenna and
the
> bands go to crap... well I am going to give it heck anyway. Hope to work
> some hounds tonight despite conditions. If cant get thru on 20 meters you
> can always try my email hihi.
>
> ----- Original Message -----
> From: "Karl F. Larsen" <k5di@zianet.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, August 28, 2001 6:15 PM
> Subject: Tough day for HF

>
>
> >
> > At noon MDT a 40 meter net was bad due to no short skip. At 4 pm
> > another 40 meter net could not even hear each other well enough to
> > understand anything.
> >
> > At 5 pm MDT a check of the beacon stations show that 20, 15 and 10
> > meters are also in poor shape for long skip. Neither 15 nor 10 meters
can
> > hear california or NY or Canada. They copy south america very weak. 20
> > meters is better with both NY and Canada and south america having good
> > signals.
> >
> > If you don't hear the Fox's at 0200 it's not your rig or antenna,
> > it's the sun again. To the Fox guys, find out what you can hear at 0145
Z
> > and try hard to get guys from those locations, and don't worry until
later
> > about the rest. I KNOW that Dallas TX will not exist tonight on 20 or 40
> > for that matter.
> >
> > --
> > Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> >
>
>
> -----
>
> Date: Tue, 28 Aug 2001 20:05:59 -0400
> From: "Charles Mabbott" <crmabbott@mediaone.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [105953] RE: Tough day for HF
> Message-ID: <GAECLOGOMILPLBGKKPEGMEAOCMAA.crmabbott@mediaone.net>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="US-ASCII"
> Content-Transfer-Encoding: 7bit
>
> Skip, snip, pip, at this point if you can't skip
> even a limp would be good, heard nothing /M this
> evening.....
> =====
> Chuck Mabbott
> AA8VS
> 42 19' 52" N 83 28' 32" W

> Grid Square EN82gh
> Home Page: <http://aa8vs.dhs.org:81/aa8vs>
> FP-113 MI-QRP/#1212 Firebirds #2117 SOC #445
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On
> Behalf Of
> Karl F. Larsen
> Sent: Tuesday, August 28, 2001 7:15 PM
> To: Low Power Amateur Radio Discussion
> Subject: Tough day for HF
>
>
> -----
>
> Date: Wed, 29 Aug 2001 10:06:25 +1000
> From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
> To: All the Flying Pigs <fpqrp-1@mpna.com>,
> "glowbugs@piobaire.mines.uidaho.edu" <glowbugs@piobaire.mines.uidaho.edu>,
> Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: [105954] Canadian Radio Help
> Message-ID: <3B8C3201.F95E98DC@integritynet.com.au>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=iso-8859-1
> Content-Transfer-Encoding: quoted-printable
>
> Hams in Canada:
>
> <snip>
> Saskatchewan is going through a major transition in regards to
> communications over the next two years.....
>
> =2E..... St. Brieux & District Volunteer Fire Department and First
> Responders.
>
> </snip>
>
> These folks need some help, anyone local able to assist?
>
>
> 72/73's
>
> Ian Purdie
> "I believe Australia is the best address on earth"
> Budgewoi N.S.W. Australia - Co-ords S33=B014', E151=B034'
> My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
> VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
> URL - <http://www.electronics-tutorials.com/>

>
>
>
> -----
>
> Date: Tue, 28 Aug 2001 19:05:47 -0500
> From: David Gauding <david.gauding@bbs.galilei.com>
> To: qrp-1@lehigh.edu
> Subject: [105955] More on Cabelas 14' Graphite Pole (long)
> Message-ID: <5.1.0.14.0.20010827135628.026d00d0@bbs.galilei.com>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="us-ascii"; format=flowed
>
> Good evening (really) portable antenna fans,
>
> Here are some new notes and comments on the new 14' collapsible panfish
> pole from Cabelas.
>
> Now that the conductive characteristics of the pole were identified it was
> time to get moving on the St. Louis Vacation Vertical antenna project.
This
> included efforts to determine what happens what the graphite impregnated
> rod is inserted into the antenna's St. Louis Coil.
>
> My old friend, W0NVN, Andy Becker graciously put his Heathkit Q-meter on
> the first test coil built for the new SLVV. Being the father-of-the-coil
> design, he was the man for the job.
>
> The first tapped air-wound test coil for the SLVV was built on a 1.25"
> diameter coil form using #16 bus wire. There are forty full-turns and two
> half-turns. Overall length is 5.75" with about 8 turns per inch. This is a
> very robust coil and should resist anything up to being stepped upon..
>
> STAGE SETTING
>
> To establish a starting point, I doubled the turns count based on the coil
> built for the St. Louis Vest Pocket Vertical. Same diameter form, same
> wire, but now 10-40M coverage instead of 10-20M. Then (reason unknown), I
> added four extra turns just to be on the safe side. This addition even
> though the Cabelas' pole is three feet taller than the fiberglass tube set
> used by the SLVPV, i.e. more radiator available.
>
> After initial testing, enlightened cursing and out-right denials, I
> discovered the turns count was wrong. Backwards actually! What I should
> have done was double the turns count for the new coil and subtract six or
> seven turns to compensate for the increased length of the new pole (14' vs
> 11'). Duh! Don't you just hate it when there is no one else around to
> blame? <g>

>
> What tipped me off was that I could get the coil to resonate easily on 40M
> but only after tapping-off twelve and one-half turns. Nevertheless, my
> first reaction assumed this 30% variance was caused by interaction between
> the graphite pole and the coil. That may still be a factor but to what
> extent will be determined another time.

>
> BACKYARD TESTING

>
> As mentioned in the last SLVV follow-up, the problems surrounding the
> carbon fiber content of the new pole had been identified and solved
> (QRP-L,
> 08/10/01). And, the SLVV seems to work okay over eight 16-1/2' ribbon
> radials running one watt on 20-30-40M.

>
> There are thirty-five contacts in the one-watt test log for these bands.
> The next step is to move up to the higher HF frequencies. That includes
> finding a happy upper-radiator length that will work across 17M-10M. Plus,
> fooling with the St. Louis Radial dimensions to get it under an 8th-wave
on
> 40M yet provide reasonable performance.

>
> Believe it or not, using 15' ribbon radials on 40M (or 7-1/2' ribbons on
> 20M) isn't bad at all. My opinion is based on experiments conducted a
> couple of years ago using the older St. Louis Pocket Vertical. That has
> been described as an attempt to manage weight and logistics for
backpacking

> pursuits. Actually, it was one of those measure twice - cut once exercises
> that went terribly wrong! I wasn't about to lose those hacked ribbons! <g>

>
> SLVV COIL MEASUREMENTS

>
> The first test coil was measured by itself . Then with the 14' pole fully
> extended horizontally and inserted through the coil: The upper and lower
> radiators were not installed.

>
> Coil: 13-14 uh
> Coil w/pole: 14 uh
>
> Coil: Q - 400+ (limit of test equipment)
> Coil w/pole: Q - 340

>
> COMMENTS

>
> Assuming the Q-meter is accurate, and the test procedure accomplished its
> goals, the only significant impact from the rod inserted in the coil
> appears (at first blush) to be reduced bandwidth.

>

> For reference, the 10-20M coil of the SLVPV measured 5.5 uh with a Q of
> 220. Applying a little by-guess & by-golly engineering suggests reasonable
> comparisons can be drawn between the measurements.
>
> I'm trusting those on QRP-L with a track record in RF engineering will be
> so kind to offer constructive comments and shed some much needed light on
> this subject. Looking for hard facts this evening! Many thanks in
advance!
>
> My main concern is does the presence of the graphite reinforcements in the
> pole material have a negative impact on the antenna's receive and transmit
> characteristics? In truly non-technical terms, does it eat RF? If it does
> impact the RF, just how detrimental is it on HF?
>
> I suppose the obvious offsetting features for potential losses are the
> convenience features of the pole. True 10-40M capability in a lightweight
> 14' support that collapses to only 15-1/2" for traveling offers some
rather
> unique possibilities for portable operator. But, to establish a reference
> point! In field locations I'm interested in working a few stations
anywhere
> and having a good time doing it. If that doesn't include the rare DX then
> so be it.
>
> OTHER STUFF
>
> With some creative packing technique, I was able to slide the homebrew
> mounting base assembly alongside the pole inside the slender green nylon
> sleeve provided provided by Cabelas. This is a very compact arrangement.
>
> I worked out a better way to store the upper and lower radiators. I'm now
> using lightweight plastic pill bottles with caps discarded. Loosely
> hand-wrap the doubled wires and slide them inside the bottle. Friction
> keeps the radiators in place. Gone are the rubber bands, grocery ties,
> spring-steel clips, etc.!!
>
> Knocking a number of turns off the next SLVV test coil means it will
> probably be short enough to use only a single tap wire assembly to cover
> all bands. The assembly is removable and will store inside the coil or
slip
> into one of the radiator bottles.
>
> Adding a masking tape insulating collar to cover pole finish accidentally
> scratched away (and exposing the conductive core material) works okay.
But,
> that tape will have to be removed before a close-fitting individual
section
> under repair will nest properly. The alternative is scotch-type tape or

[illegible]

>
> -----
>
> Date: Tue, 28 Aug 2001 17:18:16 -0700 (PDT)
> From: Bill ROWLETT <kc4atu@yahoo.com>
> To: k5di@zianet.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: [105956] Re: Tough day for HF
> Message-ID: <20010829001816.83198.qmail@web14207.mail.yahoo.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
>
> Sorry you may have trouble hearing the Fox, just leave
> me the DX from across the pond on 17 & 20. The central
> Med was in to the east coast on 17.
>
> Have fun
>
> 73 Bill KC4ATU
>
> -----
> Do You Yahoo!?
> Make international calls for as low as \$.04/minute with Yahoo! Messenger
> <http://phonecard.yahoo.com/>
>
> -----
>
> Date: Tue, 28 Aug 2001 20:29:37 -0400
> From: "Ron Polityka" <wb3aal@fast.net>
> To: ". QRP-L" <qrp-l@Lehigh.EDU>
> Subject: [105957] VP5ED QRP Operation
> Message-ID: <001401c13021\$b03fa6a0\$9c095cd1@wb3aal>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Hello fellow QRPers:
>
> I will operate as VP5ED from the Turk and Caicos Islands 11/20/01 to
> 11/27/01. I'll operate 100% QRP on all HF bands. Mainly CW, but some
> SSB, but not much. Please QSL to WA3WSJ CBA directly only with SASE etc.
> IOTA NA-002 for you IOTA chasers!
> 72,
> Ed, WA3WSJ
>
>
>
> -----

>
> Date: Tue, 28 Aug 2001 20:28:30 -0400
> From: David Gilson <kd3em@velocity.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: [105958] Circuit Simulator Software
> Message-ID: <3B8C372E.8D8FEDE8@velocity.net>
> MIME-Version: 1.0
> Content-Type: text/html; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> <!doctype html public "-//w3c//dtd html 4.0 transitional//en">
> <html>
> Has any one use Protolab 4.0? I've seen it in the mouser catalog
> and was thinking about getting it, but want some pro's and con's before
> I order.
> <p>Thanks
>
Dave
>
kd3em</html>
>
>
> -----
>
> Date: Tue, 28 Aug 2001 21:03:03 -0400
> From: Duffer <hduff@ica.net>
> To: qrp-l@lehigh.edu
> Subject: [105959] No WX band on FT817...no biggie !
> Message-ID: <3B8C3F46.26CC7C31@ica.net>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> I don't find it so devastating that the FT-817 lacks WX band RX (162
> MHz).
> Of course, the FT-817 receives everything else...
> Just tune in to an FM broadcast station...you're bound to find a weather
> report among the news,
> especially so if there is an extreme weather watch or warning.
> And, you're more likely to receive an FM broadcast station than a WX
> transmission while you're backpacking in a more remote area. Nothing
> lost as far as I'm concerned.
> Hugh VA3TO
>
>
> Date: Tue, 28 Aug 2001 07:22:22 -0400
> From: "Mike Yetsko" <myetsko@insydesw.com>
>
> ----- Original Message -----
> From: Howard Kraus <K2UD@adelphia.net>

> >
> > I wonder if they have a new improved version in the works? If so,
> they
> may
> > be trying to clear inventory in anticipation of a new release. Kinda
> like
> > the ICOM IC-706, IC-706MkII, IC-706MkIIG thing.
> >
> > Howard Kraus, K2UD
>
>
> There's been rumors for a while now of a different
> firmware set for the 817 that would at least allow
> WX band. I wonder if maybe they just tweaked for
> that? In my mind, leaving the WX band off was a
> SERIOUS mistake for a radio that seems to me to
> be designed for a 'backpacker' type transportable.
>
> Mike
>
>
> -----
>
> Date: Tue, 28 Aug 2001 20:55:09 EDT
> From: DYARNES@aol.com
> To: morrellm@ameritech.net, qrp-1@lehigh.edu
> Subject: [105960] Re: Cover of July 2001 QRP Quarterly
> Message-ID: <37.1a02b1f5.28bd976d@aol.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset="US-ASCII"
> Content-Transfer-Encoding: 7bit
>
> In a message dated 8/28/01 2:01:03 PM US Mountain Standard Time,
> morrellm@ameritech.net writes:
>
> << While I am an avid golfer and qrp'er, that cover does not sit
> too well with me. Had they "staged" this I could see the humor
> but my sense is they did not and the op actually uses the rig
> while on the course between shots. >>
>
>
> For all of you concerned about the above comments, let me assure you that
> you
> need have absolutely no worries! I took the picture you see on the QQ
> cover
> (although it was "enhanced" nicely by the QQ folks to show a little richer
> presentation), and those are my clubs on the driver's side, and that is my
> radio and antenna in use. I am NOT a casual golfer--I have played the

game

> for over 50 years (since I was about 8 years old), and I would never have
> done this if it wasn't doable without interfering with others. Golf is
very

> special to me, and I am a stickler for etiquette--both giving and
receiving!

> I know golf etiquette very well, and most certainly would not infringe on
> other's enjoyment. Neither would Ron!

>

> The fact is that Ron and I practically "owned" the place that day. I
don't

> think there were more than half a dozen other groups on the entire course!

> If you will all pull out your road maps--find Tucson, then go east on
> interstate 10 to exit 331 (about 10 miles west of Wilcox). Turn south on
> hwy. 191 and go south about 20-25 miles and you will see a small dot on
the

> map called "Sunsites" (close to the Cochise Stronghold monument)! That is
> where Ron and I played golf--I mean we were out in the boonies! This was
not

> golf in the "hub of the western world", but rather a nice, leisurely round
of

> golf on a relatively remote retirement development that (unfortunately for
> them) gets very little play. We played our round in the appropriate 4
hour

> time frame (actually, a bit less), and held up no one. Furthermore,
nobody

> ever got close enough to us to hear anything (the volume was always under
> control) except at one point where holes cross we did pass one other
twosome

> who got a big kick out of our setup! We could not, and would not have
done

> this on some municipal course in a more metropolitan location.

>

> Well, enough said except that it irks me no end when self-righteous

> individuals start chastising others when they don't even know the facts!

Why

> do people have to assume the worst instead of suspecting the opposite????

I

> am pretty sure I know, but I won't press it. Also, I realize they may not
> know me that well, but I am a little surprised that they would think
someone

> as well known and respected as Ron would have done something inconsiderate
> like that.

>

> Anyway, as Paul Harvey says, "Now you know the rest of the story!" Which
> reminds me---does anyone else out there agree with me that Paul Harvey
copied

> his "rest of the story" idea from Marvin Miller? Who is Marvin Miller you

> say? Well, he used to be the guy who passed out the checks on the old
> "Millionaire" TV show in the 50's, but before that he had several radio
> programs (on Mutual I think), one of which was "The Story Behind The
Story".
> Identical format! Ah, trivia!
>
> 72 de Dave W7AQK
>
>
>
> -----
>
> Date: Tue, 28 Aug 2001 20:56:19 -0400
> From: Fernie Williams <fernie@ke4mai.com>
> To: unlisted-recipients;; (no To-header on input)
> Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: [105961] Re: Stealth flagpole antenna
> Message-ID: <3B8C3DB3.3842C70C@ke4mai.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Hi,
> This looks interesting for the CC&Rs - does anyone have any experience
> with this or any other type of flagpole antenna?
>
> 00,
> Fernie/KE4MAI
>
>
> ARDUJENSKI@aol.com wrote:
> >
> > Stumbled across a COMMERCIAL stealth antenna part of an actual flagpole
from
> > IAC--Alan KB7MBI
> >
> > <http://www.iacantennas.com/stealthbazooka2000.htm>
>
> --
> =====
> KE4MAI - Lexington, KY - EM77rx
> American Radio Relay League
> KY-QRP #12 QRP-ARCI #10919 SOC #459
> QRP-L #2354 FLYING PIGS QRP #-335
> TEN-TEN #71893
>
> fernie@ke4mai.com www.ke4mai.com
> =====

>
> -----
>
> Date: Tue, 28 Aug 2001 18:11:49 -0700
> From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
> To: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@egroups.com>
> Subject: [105962] [Fwd: [Elecraft] VP5ED QRP Operation with My K2!]
> Message-ID: <3B8C4155.DACF0675@elecraft.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> ----- Original Message -----
> Subject: [Elecraft] VP5ED QRP Operation with My K2!
> Date: Tue, 28 Aug 2001 20:40:07 -0400
> From: breneiser <breneiser@talon.net>
> Reply-To: breneiser <breneiser@talon.net>
> To: elecraft@qth.net
>
> Hello all:
> I will operate as VP5ED from the Turk and Caios Islands from 11/20/01 to
> 11/27/01. I'll be using my K2 s/n 321. If you need VP5 QRP, this will be
> the time to grab it. Please qsl directly to WA3WSJ CBA with SASE. I hope
> to work a couple of K1s and K2s while I'm VP5ED!
> 72,
> Ed, WA3WSJ
>
> -----
>
> Date: Tue, 28 Aug 2001 19:24:05 -0600
> From: "James R. Duffey" <jamesd1@flash.net>
> To: <DYARNES@aol.com>, qrp-l <qrp-l@lehigh.edu>
> Subject: [105963] Re: Cover of July 2001 QRP Quarterly
> Message-ID: <B7B1A053.D205%jamesd1@flash.net>
> Mime-version: 1.0
> Content-type: text/plain; charset="US-ASCII"
> Content-transfer-encoding: 7bit
>
> I can attest to Dave's devotion to golf. When he visited Albuquerque to
watch
> his son in the NCAA Golf Finals, he passed up a chance to have the world's
> greatest green chile in order to see his son play golf!! - Duffey
> --
> James R. Duffey KK6MC/5
> 30 Casa Loma Road
> Cedar Crest, NM 87008
>
>

> -----
>
> Date: Tue, 28 Aug 2001 19:20:24 -0700
> From: KB7WW Art Moe <kb7ww@uswest.net>
> To: qrp <qrp-1@lehigh.edu>
> Subject: [105964] cub foxii
> Message-ID: <3B8C5168.E94A406A@uswest.net>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Power company finally showed up today and fixed the problem.
>
> 2 cub pelts in the bag.
>
> Thanks Dave and Mike.
>
> New antenna here seems to be working. My first HF beam, took 30 me years
to
> break down and put one up.
>
> Art
> KB7WW
>
> -----
>
> Date: Tue, 28 Aug 2001 19:19:30 -0700
> From: "Steve McDonald" <jsm@gulfislands.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [105965] Ocean State Electronics
> Message-ID: <002001c13031\$09adcb40\$5412f4cc@jms>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
>
> Is this a reliable company to deal with? Thought I would ask before
placing
> / not placing an order.
>
> Steve / VE7SL
>
>
> -----
>
> Date: Tue, 28 Aug 2001 19:21:23 -0700 (PDT)
> From: "Robert P. Okas" <vintage@best.com>

> To: qrp-1@lehigh.edu
> Subject: [105966] Cub Fox Spots
> Message-ID: <Pine.BSF.4.21.0108281917300.16823-1000000@shell114.ba.best.com>
> MIME-Version: 1.0
> Content-Type: TEXT/PLAIN; charset=US-ASCII
>
> Hi Gang,
>
> Despite warnings of gloomy condx, two new pelts are hanging on the
> wall. Mike is around 14.061.6 and Dave is at 14.052. Both were weak at
> my qth, but serviceable qsos resulted.
>
> Good Luck & 73,
> Bob - W3CD
>
>
> -----
>
> Date: Tue, 28 Aug 2001 20:37:39 -0600 (MDT)
> From: "Karl F. Larsen" <k5di@zianet.com>
> To: "Robert P. Okas" <vintage@best.com>
> Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: [105967] Re: Cub Fox Spots
> Message-ID:
> <Pine.LNX.4.33.0108282036350.2339-1000000@localhost.localdomain>
> MIME-Version: 1.0
> Content-Type: TEXT/PLAIN; charset=US-ASCII
>
>
> Just tuned those spots and nothing but QRM is present in southern NM.
>
> On Tue, 28 Aug 2001, Robert P. Okas wrote:
>
> > Hi Gang,
> >
> > Despite warnings of gloomy condx, two new pelts are hanging on the
> > wall. Mike is around 14.061.6 and Dave is at 14.052. Both were weak at
> > my qth, but serviceable qsos resulted.
> >
> > Good Luck & 73,
> > Bob - W3CD
> >
> >
> >
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

>
>
> -----
>
> Date: Tue, 28 Aug 2001 22:39:40 -0400
> From: Pete Burbank <plburbank@kih.net>
> To: jsm@gulfislands.com, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
> Subject: [105968] Re: Ocean State Electronics
> Message-ID: <5.0.2.1.0.20010828223759.00acc730@KIH.net>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="us-ascii"; format=flowed
>
> At 07:19 PM 8/28/2001 -0700, Steve McDonald wrote:
>
> >Is this a reliable company to deal with? Thought I would ask before
placing
> >/ not placing an order.
> >
> >Steve / VE7SL
> Yes, reliable and they have hard to find stuff.
> 73 Pete NV4V
>
>
> -----
>
> Date: Tue, 28 Aug 2001 22:47:56 -0400
> From: "Lee S. Mairs" <lmairs@cox.rr.com>
> To: <morrellm@ameritech.net>, "Low Power Amateur Radio Discussion"
<qrp-1@lehigh.edu>
> Subject: [105969] Re: Cover of July 2001 QRP Quarterly
> Message-ID: <000b01c13035\$026d4500\$6401a8c0@cox.rr.com>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Mike -
> I used to have the same problem with golf; however, I entered a 12 step
> program and haven't played since.
> 73 de Lee
>
> Consistently separating words by spaces became a general custom
> about the tenth century A.D., and lasted until about 1957, when
> FORTRAN abandoned the practice.
> --Sun FORTRAN Reference Manual
>
> ----- Original Message -----

> From: "Mike Morrell" <morrellm@ameritech.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, August 28, 2001 4:59 PM
> Subject: Cover of July 2001 QRP Quarterly
>
>
> >
> > While I am an avid golfer and qrp'er, that cover does not sit
> > too well with me. Had they "staged" this I could see the humor
> > but my sense is they did not and the op actually uses the rig
> > while on the course between shots.
> >
> > > From a golfer's point of view, noise from ANY radio is NOT allowed
> > even during a causal round of golf and believe me sounds carry
> > a long way on the course.
> >
> > I do have a good sense of humor, but in the case of ham radio
> > and golf, each has their place...
> >
> > Mike K8KE
> >
> >
>
>
> -----
>
> Date: Tue, 28 Aug 2001 20:03:34 -0700
> From: Jeff Stai WK6I <jstai@home.com>
> To: k5di@zianet.com, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
> Subject: [105970] Re: Cub Fox Spots
> Message-ID: <5.1.0.14.2.20010828200316.08927030@mail>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="us-ascii"
>
>
> last heard Dave at 14053.0, but he faded away - jeff wk6i
>
> At 07:37 PM 8/28/01, Karl F. Larsen wrote:
>
> > Just tuned those spots and nothing but QRM is present in southern NM.
> >
> > On Tue, 28 Aug 2001, Robert P. Okas wrote:
> >
> > > Hi Gang,
> > >
> > > Despite warnings of gloomy condx, two new pelts are hanging on the
> > > wall. Mike is around 14.061.6 and Dave is at 14.052. Both were weak at

> >> my qth, but serviceable qsos resulted.
> >>
> >> Good Luck & 73,
> >> Bob - W3CD
> >>
> >>
> >
> >--
> >Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>
> jeff stai
> radio stuff: WK6I in DM13
> rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.
> email: jstai@home.com or wk6i@arrl.net
> ROC web page: <http://www.rocstock.org/>
> LDRS web page: <http://www.ldr20.org/>
>
>
> -----
>
> Date: Tue, 28 Aug 2001 22:42:30 -0500
> From: "Mike Malone" <mmalone@worldlogon.com>
> To: <jstai@home.com>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
> Subject: [105971] Re: Cub Fox
> Message-ID: <002a01c1303c\$a29db4e0\$3ff5a7cc@malonefamily>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Tough conditions out there tonight, thanks for the hounds who roughed it
and
> came after a pelt! Man, even a night of the hunt is better than a good
day
> at work!!! 72 all
> KD5KXF Cub Fox
>
>
> -----
>
> Date: Thu, 16 Aug 2001 11:57:29 -0400
> From: John Farler <jfarler@peoplepc.com>
> To: qrp-l <qrp-l@Lehigh.EDU>
> Subject: [105972] Shelby HF?
> Message-ID: <3B7BED68.45F0317B@peoplepc.com>

> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Anyone, qrp clubs, ops, dealers, etc.
> going to Shelby, NC hamfest to set up
> or make a QRP Presence??? Expect to be
> there Sat. The "Granddaddy of 'em All"
> is a mighty big hamfest not to have
> something qrp...
>
> 73, John, K4AVX
> Hazard, KY.
>
> -----
>
> Date: Wed, 29 Aug 2001 00:27:44 -0400
> From: "David Porter" <aa3ur@home.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [105973] Cub Fox Log AA3UR Preliminary
> Message-ID: <001901c13042\$f3c60420\$927ba8c0@jamison1.pa.home.com>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Thanks for a great hunt. I did 100% better than last time despite the
> conditions.
>
> I lost two hounds that I replied to, but couldn't complete the exchange
when
> they came back. Signals were very weak. Around 0300Z, I decided to see
if
> I could work the other Mark, the other fox. I heard him, but he didn't
hear
> me. I also heard AL7FS and got so excited, that I went back to my spot to
> await my hoped for fate of getting through to Alaska. But it wasn't to be.
>
> I did get FL, MO, OR, and CA. First CA and OR contacts since I got
> re-licensed and maybe ever. And like I said, 100% better than the last
time
> out. Thanks again for all the fun. My condolences to those I tried to get
> and couldn't.
>
> 29 AUG 01 0200
> 0200 N1TP 569 FL TOM 5W
> 0203 W0CH 559 MO DAVE 1W
> 0211 KB7WW 559 OR ART 5W

> 0213 W3CD 559 CA BOB 5W
> 0230 WA7SPY 559 CA GLENN 5W
> 0234 AE9F 559 CA DAN 5W
> 0251 W6ABC 559 CA JACK 5W
> 0305 N7XG 249 CA WALT 5W
> 0400 AA3UR 559 PA DAVE 2W
>
> David Porter
> aa3ur@home.com
> AA3UR
>
>
> -----
>
> Date: Tue, 28 Aug 2001 23:38:35 -0500
> From: "George, W5YR" <w5yr@att.net>
> To: aa3ur@home.com
> Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: [105974] Re: Cub Fox Log AA3UR Preliminary
> Message-ID: <3B8C71CB.FCBE59BA@att.net>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Sorry we couldn't make it, Dave. I heard you call me and copied your
> exchange and sent mine but you faded back into the noise so I could not
> tell if you got mine OK. So, guess I was one of the two Hounds you
> mentioned.
>
> Signals were very weak tonight - I might have heard Mike once or twice but
> as he is about 40 miles from me, there is little chance to work him on 20
> meters at night.
>
> Thanks for trying.
>
> 72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 55th year and it just keeps getting better!
> Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437
>
>
> David Porter wrote:
> >
> > Thanks for a great hunt. I did 100% better than last time despite the
> > conditions.
> >
> > I lost two hounds that I replied to, but couldn't complete the exchange
when

> > they came back. Signals were very weak.
>
> -----
>
> Date: Wed, 29 Aug 2001 10:50:26 -0700
> From: Thomas Kuehl <ac7a@gci-net.com>
> To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
> Subject: [105975] FS: HW-8 CW Transceivers
> Message-ID: <3B8D2B62.37333337@gci-net.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Howdy,
>
> It appears that the prices I listed for my 2, HW-8 transceivers
> may have been too high to generate any interest. Therefore, I have
> decided to give it one more go on the list and have dropped their
> prices accordingly.
>
> For the newer QRP op's who may not be familiar with the HW-8, it
> is 4-band (80,40,20,15) CW transceiver manufactured by Heathkit
> in the later 70's to mid 80's. Output power typically runs 1.25
> to 2.5 Watts on the various bands.
>
> Repeated here are descriptions of the radios:
>
> 1) HW-8, with HWA-7-1 power supply - It is mostly in stock
> condition with the following mod's:
>
> Increased break-in delay (K6YB -June '79 HR), Improved keying
> (W3HVK - August '82 HR), Improved stability and dial
> calibration (W3HVK - August '82 HR), and a low-Z audio matching
> transformer has been added as well. I made these
> mod's myself and they can be easily reversed, but they provide
> useful improvements. There are no "extra" holes in the case.
> The tuning cap is solid (no loose plates). Condition is what I
> rate it a 9 out of 10. Price reduced from \$120, to \$95.
>
> 2) HW-8 - Stock condition except the previous owner added a audio
> matching transformer and a small speaker in the top of
> the case. I replaced the blown output transistor, a 2N4427, with
> a 2N3553, and just completed alignment as well. The
> previous owner had drilled a small hole in the back panel, and
> there is some very minor panel wear by the main tuning
> knob. Because of the speaker mod and hole, I rate it about a 7.5
> to 8. The tuning cap is solid. Price reduced from \$95, to \$70.
>

> Thanks, Thomas - AC7A (Tucson)
>
>
> -----
>
> Date: Tue, 28 Aug 2001 23:25:26 -0700
> From: "Steve McDonald" <jsm@gulfislands.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: [105976] Re: Ocean State Electronics
> Message-ID: <001601c13053\$64af1860\$4212f4cc@jms>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
>
> Thanks to all who replied...all positives!
>
> > Is this a reliable company to deal with? Thought I would ask before
> placing
> > / not placing an order.
> >
> > Steve / VE7SL
>
>
> -----
>
> Date: Wed, 29 Aug 2001 01:58:49 -0600
> From: "Marshall Emm" <mgemm@mtechnologies.com>
> To: qrp-l@lehigh.edu
> Subject: [105977] FOX: Results
> Message-ID: <3B8C4C59.853.373F142@localhost>
> MIME-Version: 1.0
> Content-type: text/plain; charset=US-ASCII
> Content-transfer-encoding: 7BIT
>
> The results of the QRP-L 20M Fox Hunt have been posted on the web site at
> <http://www.CQC.org/sfox>. There you'll find the Hounds, Foxes, and Teams
> results as well as the individual logs. I'll also append the individual
> Hounds' results to this message for those who are web disadvantaged.
>
> Hard to believe we're already in the last week of the season. Don't know
where
> the summer has gone, but to put a positive spin on it we are that much
closer
> to the 40M Hunt [g].
>
> The Summer Hunt has been fun, and also very interesting. It's tempting to

> compare it to the first 20M hunt last year, but we changed the format quite a
> bit and so much depends on ephemeral conditions that it would be hard to draw
> any conclusions. The astounding thing to me is that so far (knock on wood) so
> many hounds have managed a perfect score! Two hunts to go, this Thursday
> evening, and I sure hope Paul will try to keep the sun under control!
>
> Good luck, and see you in the Hunt...
>
> 73
> Marshall Emm
> N1FN/VK5FN
> n1fn@MorseX.com
> Morse Express and Oak Hills Research
> "Everything for the Morse Enthusiast"
> <http://www.MorseX.com>
> <http://www.ohr.com>
> (303)752-3382
> --
>
> -----
>
> Date: Wed, 29 Aug 2001 03:27:00 -0700
> From: "Trevor Jacobs" <fxtech@earthlink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [105978] Ahhhh,The Heathkit HW-8
> Message-ID: <013e01c13075\$247a8280\$350df4d8@tjacobs>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Hi Everyone,
>
> After reading Thomas' note about an HW-8 for sale, I was feeling kind of
> nostalgic. The HW-8 was my novice rig in 1982 when my call used to be
KA2MWK
> in Liverpool,NY and served me well! It's a great little rig. Anyway, I
> bought one a while back, did a full alignment on it and got it working
> great, but I only used it on the air a few times. Seems like that's the
way
> it goes sometimes with homebrew, there's always the next radio, and I'm
one
> of those guys that seems to spend more time with a soldering iron in his
> hand than a set of paddles (unless I'm camping or out of town Hi!). I
looked

> over in the corner of the shack and there it was, along with my HW-7 and
> HW-9 (the only one left that I actually built!). I decided to fire up the
> old venerable HW-8 and have a go at the straight as I don't have a keyer
for
> it. I put it up on the desk and wired it up. She fired right up and I was
> hearing a few signals on 40 including the local practice station on 7.100
> (good beacon station when out of town!), but the antenna was tuned up for
80
> meters, so I decided to try 80. To my dismay not a peep came out of the
rig,
> not even static! So I tried the other bands and got the same results. Back
> to 40 and it was still alive. After going over the HW-8 manual and
measuring
> a few things (man I love these old Heathkit manuals!) I found that D6 was
> shorted. Don't quite know how that happened, and I didn't have a 1N458,
but
> taking a look at the schematics, it looked like a 1N4148 might do the
trick
> (any comments on this?) , so I replaced it. The rig fired up and all of
the
> bands work now! What a relief! I put the rig back together and hooked it
> back up on the desk, but I am way too tired for a QSO tonight, so I think
> I'll put it on the air tomorrow. Every once in a while, these little rigs
> show up at swap meets, so don't overlook them as a good rig for working
the
> bands. Working on this rig tonight sure brought back a lot of memories of
> working station in the NE and beyond when I was a novice. One really
> thrilling QSO I remember was working a station in Hobbs, NM on 15 meters.
Can
> you imagine the look on my young face when I got the QTH!!! Just thought
I'd
> share that...thanks for the bandwidth.
>
> 72/73
> Trev
> KG6CYN
>
>
> -----
>
> Date: Wed, 29 Aug 2001 06:35:24 -0400
> From: "Thaire Bryant" <tbry37@mediaone.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [105979] Antenna Question
> Message-ID: <003301c13076\$4ff7d240\$41506041@ne.mediaone.net>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="Windows-1252"

> Content-Transfer-Encoding: 7bit
>
> I'm building a "Battle Creek Special", vertical
> for
> 40-80-160. Has anyone on the list put one up?
> Any suggestions on radials? I'm planning on
> trying to put down 30 x 60'.
>
> Comments welcome, reply direct.
>
> Thaire W2APF
>
>
> -----
>
> Date: Wed, 29 Aug 2001 06:50:54 -0400
> From: "John Dorson" <JDORSON@worldshare.net>
> To: <jsm@gulfislands.com>, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
> Subject: [105980] Re: Ocean State Electronics
> Message-ID: <004d01c13078\$7b127320\$4b6e5a41@john>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> anyone have a url for them
> john...
> ----- Original Message -----
> From: "Steve McDonald" <jsm@gulfislands.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Wednesday, August 29, 2001 2:25 AM
> Subject: Re: Ocean State Electronics
>
>
> >
> > Thanks to all who replied...all positives!
> >
> > > Is this a reliable company to deal with? Thought I would ask before
> > placing
> > > / not placing an order.
> > >
> > > Steve / VE7SL
> >
> >
>
>
> -----

>
> Date: Wed, 29 Aug 2001 04:07:45 -0700
> From: "Trevor Jacobs" <fxtech@earthlink.net>
> To: <JDORSON@worldshare.net>, "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
> Subject: [105981] Re: Ocean State Electronics - URL
> Message-ID: <015a01c1307a\$d5745980\$350df4d8@tjacobs>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Hi John (and anyone else needing the URL)
>
> > anyone have a url for them
> > john...
>
> <http://www.oselectronics.com/>
>
> Nice guys to deal with. I've ordered quite a bit from them in the past.
>
> 72/73
> Trev
> KG6CYN
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 07:15:11 -0400
> From: =?iso-8859-1?Q?Jocs=E1n_D=EDaz_L=F3pez?= <jocsan@ctehab.minbas.cu>
> To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>
> Subject: [105982] OT - KF 520 component
> Message-ID:
<F194D0FF4327D411A1600050DA080486239DDD@cxctehab.ctehab.minbas.cu>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
>
> Hello!
>
> I am looking for information about KF 520 component. It looks like a JFET
> but I am not sure.
>
> Any help?
>
> 73 and DX, C03J0 - Joc
>

>
> -----
>
> Date: Wed, 29 Aug 2001 07:18:31 -0400
> From: Dan Wolfe <n4roa@mounet.com>
> To: qrp-1@Lehigh.EDU
> Subject: [105983] Shelby, Nc HF
> Message-ID: <3B8CCF87.7DE5@mounet.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Howdy All,
>
> I am off to the Shelby, Nc Hamfest and will be camping there
> from today (noon) til late Sunday evening. My camper (Jayco
> pop-up) will be right against the back wall of the Fire Hall.
> Anyone on the list that is going, feel free to come by for a chat.
> Hope to see you there.
>
> 72/73...Dan Wolffe, N4ROA
>
>
> -----
>
> Date: Wed, 29 Aug 2001 07:55:54 -0400
> From: Michael Bower <bowerm@ix.netcom.com>
> To: qrp-1 <qrp-1@lehigh.edu>
> Subject: [105984] OT:Science Fair Project using Ham Radio?
> Message-ID: <3B8CD84A.EF6B84AB@ix.netcom.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Hi, gang,
>
> My daughter is in need of a Science Fair Project idea. I was thinking
> that it would be nice if she could do something using ham radio but I
> don't have any ideas that would work. I don't think she can simply
> build a kit. I don't think she can build the kit using the Elmer 101
> course. I suppose we could build a radio using Manhattan style and
> build it from scratch but I don't have kind of knowledge. (Hmm, how
> about a very simple rig where we put a lot of the devices on switches so
> you can switch in or out a component and see the affect?)
>
> She to know her project idea (and have it approved) by 9/5.
>
> Anybody got any ideas out there for this project?

>
> Off-line answers are fine. Thanks in advance.
>
> Michael N4NMR
>
>
>
> --
> 73 de N4NMR
> Michael Bower
> Ashburn, VA (near Washington, D.C.)
>
> -----
>
> Date: Wed, 29 Aug 2001 08:10:27 -0400 (EDT)
> From: "John L. Sielke" <w2agn@pobox.com>
> To: Mike Morrell <morrellm@ameritech.net>
> Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: [105985] RE: Cover of July 2001 QRP Quarterly
> Message-ID: <XFMail.20010829081027.w2agn@pobox.com>
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
> MIME-Version: 1.0
>
> And I am sensitive, new age, and liberal!
>
> John W2AGN
>
>
> On 28-Aug-2001 Mike Morrell wrote:
> > I do have a good sense of humor
>
> -----
>
> Date: Wed, 29 Aug 2001 07:30:08 -0500
> From: "Mike Malone" <mmalone@worldlogon.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: [105986] Re: Post Cub Fox Hunt Thoughts
> Message-ID: <005001c13086\$578e2990\$4800000a@nationwiderecovery.com>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> I thought last night would be a total wash based on what I heard when I
> turned on my rig but actually, it wasnt that awful. I did end up calling
cq
> about 30 minutes straight but what the heck... looks like I handed out 19

> pelts and to the AC6 that I just never could get the call on, my humble
> apologies... you were ESP copy. Thanks a bunch hounds and I will post my
> log later today.

>

>

> -----

>

> Date: Wed, 29 Aug 2001 08:14:51 -0400
> From: Ed Kessler <edkess@pa.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: [105987] Source for TUF mixers?
> Message-ID: <5.0.2.1.0.20010829081342.00a35990@mail.pa.net>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="us-ascii"; format=flowed

>

> Good morning,

>

> Could someone please direct me to a vendor that carries the TUF mixers
from

> MCL?

>

> Thanks,
> Ed AA3SJ

>

>

> -----

>

> Date: Wed, 29 Aug 2001 08:17:39 US/Central
> From: delphinus@brightok.net
> To: qrp-l@Lehigh.EDU
> Subject: [105988] Re: OT:Science Fair Project using Ham Radio?
> Message-ID: <200108291317.IAA14790@mail1.brightok.net>

>

> Michael,

>

> I think this is terribly ON Topic! For the hobby to grow, we have to get
> exposure and show people how much fun it can be. Science fair projects
> certainly have that potential. Try out the ARRL website link below and
good

> luck.

>

> <<http://www.arrl.org/tis/info/science.html>>

>

> 73 de Matthew,
> AD5AP

>

> -----

> This message was sent using BrightNet MailMan.

> <http://www.Brightok.net/mailman/>
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 06:25:21 -0700
> From: "Robert Friess" <rfriess@attglobal.net>
> To: <edkess@pa.net>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
> Subject: [105989] Re: Source for TUF mixers?
> Message-ID: <01df01c1308e\$0f3e1260\$6501a8c0@1GHzPentiumIII>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Hi Ed,
>
> I buy mine from their North American Distribution Center in Branson MO.
See
> the following web page in the upper left quadrant.
>
> <http://www.minicircuits.com/rep.htm>
>
> 73,
> Bob, N6CM
>
> >
> > Could someone please direct me to a vendor that carries the TUF mixers
> from
> > MCL?
> >
> > Thanks,
> > Ed AA3SJ
> >
>
>
> -----
>
> Date: Wed, 29 Aug 2001 09:46:03 -0400
> From: k8ff@juno.com
> To: qrp-l@lehigh.edu
> Subject: [105990] New K8FF keys
> Message-ID: <20010829.094711.-964677.0.k8ff@juno.com>
> MIME-Version: 1.0
> Content-Type: text/plain
> Content-Transfer-Encoding: 7bit

>
> Thanks to everyone for the interest in my key designs. Ever since the
> introduction of the NORCAL/K8FF paddle kit, both newbies and old timers
> alike have been encouraging me to design more keys. The many compliments
> that I have received on the air and via Internet have been most
> gratifying. Rather than try to answer each e-mail I will do it with this
> open letter.
>
> The NORCAL paddle is enjoying continued success as the Vibroplex "CODE
> WARRIOR JUNIOR". It remains basically the same design with a number of
> improvements by Vibroplex. The paddle comes completely assembled and has
> silver contacts with finer adjustment screws. The base is powder coated
> black and has the Vibroplex "Rope Knurl Knobs" for easy adjustment. The
> "Code Warrior Junior " has been used on several highly successful
> Dxpeditions, F00MAC and D68C to mention just two.
>
> The newest additions to the line have been highlighted in the Sept. 2001
> issue of QST on page 100. QRP ops asked for a reasonably priced
> lightweight straight key. The new "Code Mite" from Vibroplex fills the
> bill. I wanted to build a rugged small key with good feel that could
> take abuse in the field. The "Code Mite" is made of chrome plated solid
> brass with an engraved plastic base. Silver contacts with full size
> adjustment knobs give it the feel of a much larger key. Why not give it
> a try for your next portable QRP expedition??
>
> The "VENUS" is the ultimate iambic paddle available from Vibroplex. It
> is based on the highly successful "Code Warrior Junior" design. It uses
> rare earth magnets instead of springs for an outstanding feel. The use
> of ball bearings and fine adjustment screws allows for micro adjustments
> for the discriminating operator. The use of solid Brass and alloy steel
> construction along with show chrome plating make for an extremely
> attractive package weighing in at 2.4 pounds. If you are looking for an
> investment quality key that can be used daily, why not give the "VENUS" a
> look?
>
> The above described products are built with pride by "Vibroplex" from
> designs by K8FF.
>
> Vibroplex can be reached at (800) 840-8873 or at WWW.VIBROPLEX.COM
>
> Best wishes to all, Wayne K8FF
>
> "KNOW CW"
>
>
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!

> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>
> -----
>
> Date: Wed, 29 Aug 2001 06:43:30 -0700 (PDT)
> From: Gary Slagel <gdslagel@yahoo.com>
> To: QRP L <qrp-l@Lehigh.EDU>
> Subject: [105991] FS: K2 160M/2nd RX Ant option
> Message-ID: <20010829134330.79753.qmail@web11601.mail.yahoo.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
>
> Hi guys...
>
> I recently purchased a K2 that came with an
> unassembled 160M/2nd RX Ant option. I'm not too
> interested in 160M so if anyone wants this little kit
> I'll sell it for \$25 plus \$2 shipping. If I can't
> sell it for that I guess I'll BECOME interested in 160
> and install it in the K2.
>
> Thanks for the bandwidth.
>
> 73, Gary
>
>
> =====
> Gary Slagel/N0SXX
> Conifer, CO 80433
> gdslagel@yahoo.com
> Personal Website: <http://marina.fortunecity.com/sanpedro/351>
>
> -----
> Do You Yahoo!?
> Make international calls for as low as \$.04/minute with Yahoo! Messenger
> <http://phonecard.yahoo.com/>
>
> -----
>
> Date: Wed, 29 Aug 2001 09:41:57 -0400
> From: John Harper AE5X <ae5x@qsl.net>
> To: QRP-L <qrp-l@lehigh.edu>
> Subject: [105992] Re: Cover of July 2001 QRP Quarterly
> Message-ID: <000301c13090\$5fb4e8c0\$5b7abc18@johnharp>
> MIME-version: 1.0
> Content-type: text/plain; charset=iso-8859-1
> Content-transfer-encoding: 7BIT

>
> Notice how tough it's getting these days to *not* offend someone? As a
> society, we seem to have become a big group of whiners.
>
> John Harper AE5X
> Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>
>
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 14:01:50 GMT
> From: w2agn@pobox.com (John Sielke)
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [105993] Re: Cover of July 2001 QRP Quarterly
> Message-ID: <3b8cf4f2.238268156@smtp.snip.net>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: quoted-printable
>
> Now see what you did! SOMEBODY is going to accuse you of calling them
> a "whiner." Then there will be a long series of posts on this thread,
> with people calling each other names. 372 1/2 people will unsubscribe,
> after posting a long message about how "this list isn't like the good
> old days, etc, etc."=20
>
> Shame on you. You should be kind and sensitive and
> non-provocative...just like me!
>
> John W2AGN
>
> On Wed, 29 Aug 2001 09:41:57 -0400, John Harper AE5X <ae5x@qsl.net>
> typed:
>
> >Notice how tough it's getting these days to *not* offend someone? As a
> >society, we seem to have become a big group of whiners.
> >
> >John Harper AE5X
>
>
> -----
>
> Date: Wed, 29 Aug 2001 08:46:46 -0500
> From: n4so@juno.com
> To: qrp-1@lehigh.edu
> Subject: [105994] Xicon Gas Tube Surge Arrestors
> Message-ID: <20010829.090039.9502.9.N4S0@juno.com>

>
> Xicon Gas Tube Surge Arrestors from Mouser Electronics
> page 329 in an old catalog.
> part number 444-GT-90L breakdown voltage around 90 volts.
> They have other part numbers with a breakdown voltage around
> 230, 350 and 600 volts.
> \$2.80.
>
>
> Ken Brown-N4SO
> Mobile, AL EM50tk
> NC-20 at 5 watts and 4 ele. yagi
>
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>
> -----
>
> Date: Wed, 29 Aug 2001 08:55:15 -0500
> From: n4so@juno.com
> To: qrp-l@lehigh.edu
> Subject: [105995] EmTECH NW Series/ZM-2 antenna tuner
> Message-ID: <20010829.090039.9502.10.N4SO@juno.com>
>
> Emtech NW series... and ZM-2 antenna tuner...
>
> From: Robert Wright <rwright@soml.com>
> Date: Tue, 28 Aug 2001 20:45:32 -0700
> Subject: Order Numbers Emtech
>
> EMTECH
> 1127 Poindexter Ave W.
> Bremerton, WA 98312
>
> telephone 360-405-6805
>
> Scott Gregson
> emtech@steadynet.com
>
> NW series for 80, 40, 30 or 20 meters:
> \$130 complete kit with audio filter
> AF-1, cabinet (nice!) including shipping and handling \$130.00
>
> Board only kit with controls for NW series \$80.00
>

> Cabinet kit with hardware including shipping and handling \$35.00
 >
 > AF-1 audi filter kit only \$22.50
 >
 > ZM-2 Antenna tuner with s&h \$50.00
 > (probably one of my next purchases)
 >
 > Ladder grabber for 450 ohm feeline \$7.75
 >
 > Coax grabber \$7.75
 >
 > basically all the prices include S&H!
 >
 > Checks payable to EMTECH
 >
 > VY 72,
 > Bob
 > K7RRW
 > Santa Rosa
 >
 >
 > Ken Brown-N4SO
 > Mobile, AL EM50tk
 > NC-20 at 5 watts and 4 ele. yagi
 >
 > -----
 > GET INTERNET ACCESS FROM JUNO!
 > Juno offers FREE or PREMIUM Internet access for less!
 > Join Juno today! For your FREE software, visit:
 > <http://dl.www.juno.com/get/tagj>.
 >
 > -----
 >
 > Date: Wed, 29 Aug 2001 14:48:27 +0100
 > From: "G3MFJ" <g3mfj@btinternet.com>
 > To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
 > Subject: [105996] Re: Source for TUF mixers?
 > Message-ID: <005e01c13092\$513d12c0\$02010080@graham>
 > MIME-Version: 1.0
 > Content-Type: text/plain;
 > charset="iso-8859-1"
 > Content-Transfer-Encoding: 7bit
 >
 > Hi
 > > Could someone please direct me to a vendor that carries the TUF
 > > mixers from MCL?
 > As you are a G-QRP club member, can I suggest that you wait for the next
 issue (at the end

> of September!) as there will be an incredible club offer regarding double
balanced mixers
> in Sprat 108!
>
> Unfortunately, it is for club members only - if anyone else is interested
& they are not a
> member - sorry!
>
> 72/3
>
> Graham
> G3MFJ
>
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 10:19:18 -0400
> From: Donn Kuse <casey.jay@gte.net>
> To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
> Subject: [105997] Re: Which QRP Rig
> Message-ID: <3B8CF9E6.55240092@gte.net>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Want to thank all who responded to my request for info on QRP rigs.
> I've narrowed it down to two, the SW-40 or the K1, then possibly the K2
> later. Like the K1 because of the dual band options and the SW40 from
> SWL because of the Elmer 101 for that kit. Problem with the SW40 I'd
> have to get a different vertical antenna. My A99 will let me get to
> 20M. Only allowed verticals where I live. Been thinking about the
> Hustler BTV5.
> Tnx agn to all.
> 73, Donn, WB4ZWT
> Haines City, FL
> 66 and still trying to learn!
>
>
> -----
>
> Date: Wed, 29 Aug 2001 10:13:11 -0400
> From: John Harper AE5X <ae5x@qsl.net>
> To: QRP-L <qrp-l@lehigh.edu>
> Subject: [105998] Bears, K1 and 3D2AG
> Message-ID: <000701c13094\$bce4f860\$5b7abc18@johnharp>
> MIME-version: 1.0

> Content-type: text/plain; charset=iso-8859-1
> Content-transfer-encoding: 7BIT
>
> My wife and I were awakened at 6 this morning by a loud bang outside our
> window. I turned on the outside light and saw that a black bear had broken
> into our shed and was eating the garbage. For fear of offending someone, I
> won't say how I made the bear leave so that we could get to our cars, but
> it
> had something to do with a Red Ryder. The bear took off like a shot, my
wife
> was able to get to her car and I went out to clean up the garbage. I
noticed
> that the line from one of my dipoles had also been ripped from its anchor
> point on the shed & the antenna was on the ground. I hauled it back up and
> tied it off, then went inside to test it with my K1 and its
newly-installed
> battery option. 3D2AG was CQing from Fiji and was easy pickin's and my 1st
> QSO with the K1 on AA batteries.
>
> What's the moral of the story? There ain't one, but it sure was a fun
> morning.
>
> John Harper AE5X
> Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>
>
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 10:21:22 -0400
> From: Bruce Muscolino <w6toy@erols.com>
> To: jsm@gulfislands.com
> Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
> Subject: [105999] Re: Ocean State Electronics
> Message-ID: <3B8CFA62.13E993B3@erols.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Dave,
>
> Why would you think it is not? Have you ever had experience ordering
> from them?
>
> I have found them to be very reliable. They are a well established
> business. Why don't you write and ask them for a catalog? I believe
> you can find them on the web.

>
> 73
>
> -----
>
> Date: Wed, 29 Aug 2001 10:28:01 -0400
> From: "Pastor-KC1DI" <elbc@pivot.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [106000] PSK-31 80M
> Message-ID: <002e01c13096\$d0a0a0a0\$0572ccd8@elbc>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="Windows-1252"
> Content-Transfer-Encoding: 7bit
>
> Hi
> Anyone going to be active on 80m psk in the next few days.. I've recently
go
> a warbler up and running and so far have seen not a sign of a trace on the
> waterfall... get W1AW just fine...
>
> Where's everyone at?
>
> Hope to see you on 80m soon.
> 72 Dave KC1DI // always qrp
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 09:32:46 -0500
> From: "William H. Launer" <wlauner@mail.win.org>
> To: qrp-1@Lehigh.EDU
> Subject: [106001] RE: Cover of July 2001 QRP Quarterly
> Message-ID: <103130300b7b2acb10627@[204.184.54.160]>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="us-ascii"
>
> Next thing we'll hear is that "QRP to the Field" disturbs the wildlife too
> much!
>
> I thought golf was a game - maybe the golfers should go to the 19th hole
> BEFORE the game!
>
> loosen up and smile a little!
>
> 72/73, Bill
>

> Bill Launer wb0cld
> St. Charles, MO
>
>
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 10:53:19 -0400
> From: "Lee S. Mairs" <lmairs@cox.rr.com>
> To: <elbc@pivot.net>, "Low Power Amateur Radio Discussion"
<qrp-l@lehigh.edu>
> Subject: [106002] Re: PSK-31 80M
> Message-ID: <008c01c1309a\$58005c40\$6401a8c0@cox.rr.com>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="Windows-1252"
> Content-Transfer-Encoding: 7bit
>
> I'll meet you at 2100 EDT this evening,
> 73 de Lee, KM4YY
>
> Rifles, muskets, long-bows and hand-grenades are inherently democratic
> weapons.
> A complex weapon makes the strong stronger, while a simple weapon -- so
long
> as
> there is no answer to it -- gives claws to the weak.
> --George Orwell, "You and the Atom Bomb", 1945
>
>
> ----- Original Message -----
> From: "Pastor-KC1DI" <elbc@pivot.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Wednesday, August 29, 2001 10:28 AM
> Subject: PSK-31 80M
>
>
> > Hi
> > Anyone going to be active on 80m psk in the next few days.. I've
recently
> go
> > a warbler up and running and so far have seen not a sign of a trace on
the
> > waterfall... get W1AW just fine...
> >
> > Where's everyone at?

> >
> > Hope to see you on 80m soon.
> > 72 Dave KC1DI // always qrp
> >
> >
>
>
> -----
>
> Date: Wed, 29 Aug 2001 08:02:21 -0700
> From: "Dave Fifield" <dave@redhotradio.com>
> To: <edkess@pa.net>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
> Subject: [106003] Re: Source for TUF mixers?
> Message-ID: <001701c1309b\$9c570fa0\$0200a8c0@pacbell.net>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Halted Specialty Components (HSC) in Sunnyvale has
> SBL-1 mixers for \$6.95. They are at <http://www.halted.com>
> They may have the TUF versions too, I don't know.
>
> 72, Dave, AD6A
>
> ----- Original Message -----
> From: "Ed Kessler" <edkess@pa.net>
> > Could someone please direct me to a vendor that carries the TUF mixers
> from
> > MCL?
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 10:59:33 -0400
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: <hduff@ica.net>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
> Subject: [106004] Re: No WX band on FT817...a SERIOUS concern!
> Message-ID: <002301c1309b\$39c41360\$6b01a8c0@INSYDENT>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> I'd have to disagree. Here in this area of the country, you can swipe

> the FM broadcast up and down during a storm and not find a single
> alert. I know, I've done it. And from my home I can probably receive
> 30 or 40 FM stations. Besides, it's not the major alerts that you're
> interested in when hiking, it's the 'general' weather. And in that case
> the only way to get it on the broadcast FM is to SIT on a station and
> have an extended listening period, not something I really want to do if
> I'm out in the woods hiking with an 817! In fact, if I'm out in the
> woods,
> I just don't bring 'music'.

>
> Mike

> ----- Original Message -----

> From: Duffer <hduff@ica.net>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Sent: Tuesday, August 28, 2001 9:03 PM

> Subject: No WX band on FT817...no biggie !

>

>

> > I don't find it so devastating that the FT-817 lacks WX band RX (162
> > MHz).

> > Of course, the FT-817 receives everything else...

> > Just tune in to an FM broadcast station...you're bound to find a
> > weather

> > report among the news,

> > especially so if there is an extreme weather watch or warning.

> > And, you're more likely to receive an FM broadcast station than a WX
> > transmission while you're backpacking in a more remote area. Nothing
> > lost as far as I'm concerned.

> > Hugh VA3TO

> >

> >

> > Date: Tue, 28 Aug 2001 07:22:22 -0400

> > From: "Mike Yetsko" <myetsko@insydesw.com>

> >

> > ----- Original Message -----

> > From: Howard Kraus <K2UD@adelphia.net>

> > >

> > > I wonder if they have a new improved version in the works? If so,
> > they

> > may

> > > be trying to clear inventory in anticipation of a new release.

> > Kinda

> > like

> > > the ICOM IC-706, IC-706MkII, IC-706MkIIG thing.

> > >

> > > Howard Kraus, K2UD

> >

> >
> > There's been rumors for a while now of a different
> > firmware set for the 817 that would at least allow
> > WX band. I wonder if maybe they just tweaked for
> > that? In my mind, leaving the WX band off was a
> > SERIOUS mistake for a radio that seems to me to
> > be designed for a 'backpacker' type transportable.
> >
> > Mike
> >
> >
>
>
> -----
>
> Date: Wed, 29 Aug 2001 11:25:12 -0400
> From: Radiohead <hduff@ica.net>
> To: Mike Yetsko <myetsko@insydesw.com>
> Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: [106005] Re: No WX band on FT817...a SERIOUS concern!
> Message-ID: <3B8D0958.C4099979@ica.net>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Some of you guys are making out like it's a major flaw that the FT-817
> doesn't have 162 MHz WX RX. (It's slides, dices and does 'everything'
> else.) "You can please some of the people some of the time, but you can't
> please all of the people all of the time."
>
> I'm simply suggesting that it's not so bad after all since there is an
> alternative.
> I'd be willing to bet that in most areas, you will hear an FM broadcast
> station before you would hear a 162 MHz WX station. Granted, you may have
to
> 'sit' on a station to wait for the weather report (and enjoy some music in
> the meantime ?), but you WILL get the weather.
> Sure, instant weather reports would be nice but I don't consider it a
> "SERIOUS concern" :) If this requirement is imperative, you would be well
> advised to carry a \$25 WX radio around with you.
>
> I suspect, from a technical point of view, there was a limitation of the
> VCOtuning range in the FT-817 design...from a marketing point of view, it
> came down to a choice of FM Broadcast or 162 MHz WX, the masses would
chose
> the former.
>
> Well Mike, if you consider it "a SERIOUS concern" that the 817 lacks WX

RX,
> you can always trade it in for a ??? :)
>
> 73 de Hugh VA3TO
>
>
>
> Mike Yetsko wrote:
>
> > I'd have to disagree. Here in this area of the country, you can swipe
> > the FM broadcast up and down during a storm and not find a single
> > alert. I know, I've done it. And from my home I can probably receive
> > 30 or 40 FM stations. Besides, it's not the major alerts that you're
> > interested in when hiking, it's the 'general' weather. And in that case
> > the only way to get it on the broadcast FM is to SIT on a station and
> > have an extended listening period, not something I really want to do if
> > I'm out in the woods hiking with an 817! In fact, if I'm out in the
> > woods,
> > I just don't bring 'music'.
> >
> > Mike
> >
> > ----- Original Message -----
> > From: Duffer <hduff@ica.net>
> > To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> > Sent: Tuesday, August 28, 2001 9:03 PM
> > Subject: No WX band on FT817...no biggie !
> >
> > > I don't find it so devastating that the FT-817 lacks WX band RX (162
> > > MHz).
> > > Of course, the FT-817 receives everything else...
> > > Just tune in to an FM broadcast station...you're bound to find a
> > weather
> > > report among the news,
> > > especially so if there is an extreme weather watch or warning.
> > > And, you're more likely to receive an FM broadcast station than a WX
> > > transmission while you're backpacking in a more remote area. Nothing
> > > lost as far as I'm concerned.
> > > Hugh VA3TO
> > >
> > >
> > > Date: Tue, 28 Aug 2001 07:22:22 -0400
> > > From: "Mike Yetsko" <myetsko@insydesw.com>
> > >
> > > ----- Original Message -----
> > > From: Howard Kraus <K2UD@adelphia.net>
> > > >
> > > > I wonder if they have a new improved version in the works? If so,

> > > they
> > > may
> > > > be trying to clear inventory in anticipation of a new release.
> > Kinda
> > > like
> > > > the ICOM IC-706, IC-706MkII, IC-706MkIIG thing.

> > > >

> > > > Howard Kraus, K2UD

> > >

> > >

> > > There's been rumors for a while now of a different
> > > firmware set for the 817 that would at least allow
> > > WX band. I wonder if maybe they just tweaked for
> > > that? In my mind, leaving the WX band off was a
> > > SERIOUS mistake for a radio that seems to me to
> > > be designed for a 'backpacker' type transportable.

> > >

> > > Mike

> > >

> > >

>

>

> -----

>

> Date: Wed, 29 Aug 2001 11:30:06 EDT
> From: N10DL@aol.com
> To: fpqrp-l@mpna.com, qrp-l@lehigh.edu
> Subject: [106006] TEST. do not read
> Message-ID: <2f.1a069560.28be647e@aol.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset="US-ASCII"
> Content-Transfer-Encoding: 7bit

>

> This is to test to see if I got rid of the HTML problem

>

> -----

>

> Date: Wed, 29 Aug 2001 11:40:26 -0400
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: "Radiohead" <hduff@ica.net>
> Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: [106007] Re: No WX band on FT817...a SERIOUS concern!
> Message-ID: <006101c130a0\$ff5efb80\$6b01a8c0@INSYDENT>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit

>

> ----- Original Message -----
> From: Radiohead <hduff@ica.net>
>
> > Well Mike, if you consider it "a SERIOUS concern" that the 817
> > lacks WX RX, you can always trade it in for a ??? :)
> >
> > 73 de Hugh VA3T0
>
> Nah, I just won't buy it. I have a K2 now, and the 817, as nice as it
> is
> otherwise, would be to 'augment' the K2, or be a niche 'backpacker/
> hiker' type radio.
>
> At \$617 (which was the HRO sale price this last weekend) I probably
> would have pulled out the plastic if it had WX.
>
> I've 'heard' that there is a hacker attack to give it weather, and if I
> could
> confirm that... (And how well it works) I wouldn't mind having the
> rig
> for the VHF SSB capability...
>
> Mike
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 12:07:14 -0400
> From: "Walt Amos" <k8cv@netzero.net>
> To: "List Qrp-l" <qrp-l@lehigh.edu>
> Subject: [106008] FT-817
> Message-ID: <000c01c130a4\$abe70b60\$159f9840@NetZeroUser>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> Gang:
>
> Will the FT-817 D MARK II G , have the weather service?
>
> Walt K8CV Royal Oak, MI
>
> -----
> NetZero Platinum
> Sign Up Today - Only \$9.95 per month!
> <http://my.netzero.net/s/signup?r=platinum&refcd=PT97>

>
> -----
>
> Date: Wed, 29 Aug 2001 10:19:16 -0600 (CST)
> From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
> To: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
> Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: [106009] Re: Canadian Radio Help
> Message-ID: <Pine.OSF.4.31.0108291017540.31671-1000000@duke.usask.ca>
> MIME-version: 1.0
> Content-type: TEXT/PLAIN; charset=ISO-8859-1
> Content-transfer-encoding: QUOTED-PRINTABLE
>
> Ian:
>
> Could you give me more information? I might be able to find someone here
> who could help.
>
> Brian.
>
> On Wed, 29 Aug 2001, Ian C. Purdie VK2TIP wrote:
>
> > Hams in Canada:
> >
> > <snip>
> > Saskatchewan is going through a major transition in regards to
> > communications over the next two years.....
> >
> > St. Brieux & District Volunteer Fire Department and First
> > Responders.
> >
> > </snip>
> >
> > These folks need some help, anyone local able to assist?
> >
> >
> > 72/73's
> >
> > Ian Purdie
> > "I believe Australia is the best address on earth"
> > Budgewoi N.S.W. Australia - Co-ords S33=B014', E151=B034'
> > My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
> > VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
> > URL - <http://www.electronics-tutorials.com/>
> >
> >
> >
>

>
> Brian Buydens
> Veterinary Electronic Data Specialist
> Computing Services, University of Saskatchewan
> email: Brian.Buydens@usask.ca
> http://duke.usask.ca/~buydens
> VE5RDV
>
> -----
> Did you hear about the two antennas that got married? The wedding was a
> disaster but the reception was great!
>
>
>
>
>
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 12:19:24 -0400
> From: Bill Coleman <aa4lr@arrl.net>
> To: <hamjoel@juno.com>, "Low Power Amateur Radio Discussion"
> <qrp-1@Lehigh.EDU>
> Subject: [106010] Re: A Tale of Cw Novice Days
> Message-ID: <1010729121925.MAA08888@gate.iterated.com>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="US-ASCII"
>
> On 8/16/01 9:29 PM, Joel M Denison at hamjoel@juno.com wrote:
>
> >guess it's kinda like ur first solso flight.. the instructor
> >finally got himself out the plane... and somewhere about 50 foots in the
> >air ah realized he wasn't thair....
>
> Naw, Joel. I was nervous on my first solo right up until the wheels left
> the ground. Then, I was too busy to be nervous.
>
> But, it took me a LONG time not to be nervous on the air.
>
>
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901
>
>
> -----

>
> Date: Wed, 29 Aug 2001 12:19:58 -0400
> From: Bill Coleman <aa4lr@arrl.net>
> To: <nn1g@earthlink.net>, "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
> Subject: [106011] Re: 40673 Caution: techno-babble
> Message-ID: <1010729121959.MAA08905@gate.iterated.com>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="US-ASCII"
>
> On 8/24/01 8:16 PM, Dave Benson at nn1g@earthlink.net wrote:
>
> >The cascode amplifier configuration is used where high gain at high
> >frequency is needed. For a single-transistor amplifier, the 'spoiler' is
> >parasitic capacitance between collector-base or drain-gate. This
parasitic
> >capacitance is effectively multiplied by stage voltage gain
("Miller-effect
> >capacitance") and at high enough frequencies, dominates the amp behavior.
> >Stability problems- bad news. The cascode virtually (I love that word!)
> >eliminates this effect.
>
> As I recall, the Cascode amplifier pre-dates FETs. I originally saw it
> first using two triode tubes, and later FETs. I had heard no mention of
> using Bipolar transistors, but I don't see why you couldn't.
>
> The Cascode is nothing more than a grounded cathode (source, emitter)
> amplifiers directly coupled to a grounded grid (gate, base) stage.
>
>
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901
>
>
> -----
>
> Date: Wed, 29 Aug 2001 12:37:17 -0400
> From: Radiohead <hduff@ica.net>
> To: Mike Yettsko <myetsko@insydesw.com>, qrp-l@lehigh.edu
> Subject: [106012] Re: No WX band on FT817...a SERIOUS concern!
> Message-ID: <3B8D1A3D.65C557CA@ica.net>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Well, to each their own...

> Proof is in the puddin' tho... Lots of FT-817's have been sold. Marketing
> must have done their homework and nobody else
> appears to have followed suit with a comparable rig that includes WX RX.
> Hugh VA3TO
>
>
> Mike Yetsko wrote:
>
> > ----- Original Message -----
> > From: Radiohead <hduff@ica.net>
> >
> > > Well Mike, if you consider it "a SERIOUS concern" that the 817
> > > lacks WX RX, you can always trade it in for a ??? :)
> > >
> > > 73 de Hugh VA3TO
> >
> > Nah, I just won't buy it. I have a K2 now, and the 817, as nice as it
> > is
> > otherwise, would be to 'augment' the K2, or be a niche 'backpacker/
> > hiker' type radio.
> >
> > At \$617 (which was the HRO sale price this last weekend) I probably
> > would have pulled out the plastic if it had WX.
> >
> > I've 'heard' that there is a hacker attack to give it weather, and if I
> > could
> > confirm that... (And how well it works) I wouldn't mind having the
> > rig
> > for the VHF SSB capability...
> >
> > Mike
>
>
> -----
>
> Date: Wed, 29 Aug 2001 13:08:30 -0400
> From: John Harper AE5X <ae5x@qsl.net>
> To: QRP-L <qrp-l@lehigh.edu>
> Subject: [106013] Re: FT-817
> Message-ID: <000301c130ad\$3adfb760\$5b7abc18@johnharp>
> MIME-version: 1.0
> Content-type: text/plain; charset=iso-8859-1
> Content-transfer-encoding: 7BIT
>
> Yes, but only if you decline the built-in GPS option.
>
> John Harper AE5X
> Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

>
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 17:09:23 +0000
> From: "Leon Heller" <leon_heller@hotmail.com>
> To: edkess@pa.net, qrp-l@Lehigh.EDU
> Subject: [106014] Re: Source for TUF mixers?
> Message-ID: <F223ii08N8yxdZjfNLn0001921e@hotmail.com>
> Mime-Version: 1.0
> Content-Type: text/plain; format=flowed
>
>
> >
> > Could someone please direct me to a vendor that carries the TUF mixers
from
> > MCL?
>
> I buy mine direct from MCL/Dale here in the UK. You shouldn't have any
> problems doing the same.
>
> Leon
> --
> Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
> My web page: http://www.geocities.com/leon_heller
> My low-cost Altera Flex design kit: <http://www.leonheller.com>
>
>
>
> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 14:03:58 -0400 (EDT)
> From: "John L. Sielke" <w2agn@pobox.com>
> To: "William H. Launer" <wlauner@mail.win.org>
> Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: [106016] RE: Cover of July 2001 QRP Quarterly
> Message-ID: <XFMail.20010829140358.w2agn@pobox.com>
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
> MIME-Version: 1.0
>
> Golf, a GAME!? Good grief, man, next thing you'll be saying Ham Radio is a

HOBBY!

>
> Get real!
>
> John W2AGN (whose golf scores would look impressive...at a bowling alley)
>
>
>
> On 29-Aug-2001 William H. Launer wrote:
> > I thought golf was a game - maybe the golfers should go to the 19th hole
> > BEFORE the game!
> >
>
> -----
>
> Date: Wed, 29 Aug 2001 11:50:44 -0600 (MDT)
> From: "Karl F. Larsen" <k5di@zianet.com>
> To: <qrp-1@Lehigh.EDU>
> Cc: Russ Dow <n7dw@pacbell.net>
> Subject: [106017] HF Bands again bad
> Message-ID:
<Pine.LNX.4.33.0108291145350.6429-100000@localhost.localdomain>
> MIME-Version: 1.0
> Content-Type: TEXT/PLAIN; charset=US-ASCII
>
>
> Please have a look at this web page:
>
> <http://www.sec.noaa.gov/ftpdir/indices/events/events.txt>
>
> This page on a good day is almost empty. At noon MDT or 1600Z it's 2 pages
> and growing. Numerous middle to small flares and X-ray events. I tried to
> use 40 meters just now and it's hard to get 200 miles with QRO power!
>
> I have a schedule at 9pm MDT on 10.111 MHz that I will keep but
> the sun is sure not helping at all!
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>
>
> -----
>
> Date: Wed, 29 Aug 2001 13:54:15 EDT
> From: WY1W@aol.com
> To: qrp-1@lehigh.edu

> Subject: [106018] Re:CABELAS TELESCOPIC POLE
> Message-ID: <a.11d292b1.28be8647@aol.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset="US-ASCII"
> Content-Transfer-Encoding: 7bit
>
> Who has the info on the SLV with the cabelas 14' telescopic graphite pole.
I
> ordered mine today from Cabela's. I'm heading down to San Antonio next
> month (Sept. 10-14) for a navigation conference and already have my
> reservation for a room on the top floor with a window/balcony that opens.
> My Sierra will get very lonely if it doesn't have a nice antenna to load
> into. I will take along my trusty 45' chunk of 28 gauge magnet wire and
zm-2
> just in case
>
> Also any qrpers down in SanAnton?
>
> TNX Butch WY1W
>
> -----
>
> Date: Wed, 29 Aug 2001 10:35:20 -0700
> From: "Dan McLaughlin" <danmclaughlin@lycos.com>
> To: qrp-1@lehigh.edu
> Subject: [106019] Interesting HB site
> Message-ID: <OKILHBHPCELCJAAA@mailcity.com>
> Mime-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Language: en
> Content-Transfer-Encoding: 7bit
>
> There is a newer version of David White's Receiver Site at
>
> <http://www.pan-tex.net/usr/r/receivers/>
>
> It has additional information about a new kit that is coming out.
>
> Dan
> KD5DET
>
>
> >Date: Tue, 28 Aug 2001 12:36:54 -0400
> >From: dmaliniak@penton.com
> >To: qrp-1@lehigh.edu
> >Cc: njqrp@njqrp.org
> >Subject: [105937] Interesting HB site
> >Message-ID: <OFF8D72763.AE7B51EE-0N85256AB6.005B304B@penton.com>

> >MIME-Version: 1.0
> >Content-type: text/plain; charset=us-ascii
>
> >Gang:
>
> >Here's one I hadn't come across before.... FYI.
>
> ><http://www.ai.com/receivers/Default.htm>
>
> >72,
> >David, AD2A
> >Glen Rock, NJ
>
>
>
>
> Get 250 color business cards for FREE!
> <http://businesscards.lycos.com/vp/fastpath/>
>
> -----
>
> Date: Wed, 29 Aug 2001 13:18:54 -0400
> From: John Harper AE5X <ae5x@qsl.net>
> To: QRP-L <qrp-l@lehigh.edu>
> Subject: [106020] Re: OT:Science Fair Project using Ham Radio?
> Message-ID: <000301c130ae\$ae6b60c0\$5b7abc18@johnharp>
> MIME-version: 1.0
> Content-type: text/plain; charset=iso-8859-1
> Content-transfer-encoding: 7BIT
>
> How about a crystal set that uses different minerals as the detector -
> galena, razor/pencil lead (see:
> <http://freeweb.pdq.net/headstrong/foxhole.htm>), 1N34 diode, etc.
>
> Another site that you may find helpful:
> <http://www.midnightscience.com/sciencefair.html>
>
> John Harper AE5X
> Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>
>
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 10:31:11 -0700
> From: Scott Gregson - KC7MAS <emtech@steadynet.com>
> To: n4so@juno.com, qrp-l@lehigh.edu

> Subject: [106021] Re: EmTECH NW Series/ZM-2 antenna tuner
> Message-ID: <3B8D26DE.C18554B5@steadynet.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Prices include S&H in Canada and the US . International shipping is
> additional.
>
> In addition to checks and MO, we also accept all major credit cards
> through our secure server, over the phone or snail mail..
> <http://emtech.steadynet.com/order.shtml>
>
> Thanks for the promo!
>
> Scott Gregson - KC7MAS
> emtech@steadynet.com
> <http://emtech.steadynet.com>
>
> 1127 Poindexter Ave W
> Bremerton, WA 98312
> (360) 405-6805
> ++++++
> Scott Gregson Co. / Emtech / CFC
>
>
> n4so@juno.com wrote:
>
> > Emtech NW series... and ZM-2 antenna tuner...
> >
> > From: Robert Wright <rwright@soml.com>
> > Date: Tue, 28 Aug 2001 20:45:32 -0700
> > Subject: Order Numbers Emtech
> >
> > EMTECH
> > 1127 Poindexter Ave W.
> > Bremerton, WA 98312
> >
> > telephone 360-405-6805
> >
> > Scott Gregson
> > emtech@steadynet.com
> >
> > NW series for 80, 40, 30 or 20 meters:
> > \$130 complete kit with audio filter
> > AF-1, cabinet (nice!) including shipping and handling \$130.00
> >
> > Board only kit with controls for NW series \$80.00

> >
> > Cabinet kit with hardware including shipping and handling \$35.00
> >
> > AF-1 audi filter kit only \$22.50
> >
> > ZM-2 Antenna tuner with s&h \$50.00
> > (probably one of my next purchases)
> >
> > Ladder grabber for 450 ohm feeline \$7.75
> >
> > Coax grabber \$7.75
> >
> > basically all the prices include S&H!
> >
> > Checks payable to EMTECH
> >
> > VY 72,
> > Bob
> > K7RRW
> > Santa Rosa
> >
> > Ken Brown-N4SO
> > Mobile, AL EM50tk
> > NC-20 at 5 watts and 4 ele. yagi
> >
> > -----
> > GET INTERNET ACCESS FROM JUNO!
> > Juno offers FREE or PREMIUM Internet access for less!
> > Join Juno today! For your FREE software, visit:
> > <http://dl.www.juno.com/get/tagj>.
>
> --
> Scott Gregson - KC7MAS
> emtech@steadynet.com
> <http://emtech.steadynet.com>
>
> 1127 Poindexter Ave W
> Bremerton, WA 98312
> ++++++
> Scott Gregson Co. / Emtech / CFC
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 12:33:43 -0600
> From: "Mugleston, Brad" <brad.mugleston@gw1.com>
> To: [qrp-1](mailto:qrp-1@lehigh.edu) <qrp-1@lehigh.edu>

> Subject: [106022] Math Theory Help
> Message-ID: <F9645092A142D3118CBD00805F15292E15CAF52F@eb-mail1.gwl.com>
> MIME-Version: 1.0
> Content-Type: text/plain
>
> When I got my Advanced ticket I took a class. The main reason I took the
> class was I wanted to pass the exam and LEARN something (not just learn
how
> to pass the test). The instructor was great (forget his name) and he
could
> explain what he was talking about - I think I drove the others in the
class
> nuts as I wanted to understand and most of them just wanted to pass the
> exam.
>
> Anyway at one point I had a basic understanding of what this meant
> "feedpoint Z of 41+j42". Well at times, when I can't sleep, I get the
> books out and re-learn it. But I'm getting older and don't have as much
> trouble sleeping (can't seem to get enough) and I don't remember as long.
> My math background is sufficient to do the math but I can't remember what
is
> going on.
>
> How about an Elmer thread - one that explains what is meant when you see
the
> $Z = XX + jYY$. How are XX and YY measured, what do they mean and it appears
> that just by looking at $XX + jYY$ a lot of people on this list have an
> understanding of what the overall picture is. To me it's just an
imaginary
> number and I don't really remember what those are (they are kind of like
> Dragons aren't they?). I want the theory or story behind it. What can
you
> do with it and what does it tell you.
>
> So how about it.
>
> de KI00T, Brad
>
> -----
>
> Date: Wed, 29 Aug 2001 10:14:39 -0700
> From: "Phinizy, William" <wphinizy@filenet.com>
> To: "AD6CW (Jim Lowman - home) (E-mail)" <Jim.Lowman@sbcusd.k12.ca.us>,
> "AD6CW (Jim Lowman - work) (E-mail)" <AD6CW@arrl.net>,
> Cc: "QRP-1 Forum (E-mail)" <qrp-1@Lehigh.EDU>,
> "'elecraft@qth.net'" <elecraft@qth.net>
> Subject: [106023] ARRL SW Division QRP Forum Friday Night Dinner
> Message-ID:

<C3AF5E329E21D2119C4C00805F6FF58F04B77361@hq-expo2.filenet.com>

>

> Guys,

>

> Just a word to let you know that Jim Lowman, AD6CW, is making arrangements
> with Pepito's in Riverside for our Friday night get-together. If there are
> enough in attendance, the proprietors will open the restaurant for our
> exclusive use! If you are going to be in town for the convention and QRP
> forum and would like to attend please send Jim an e-mail at
> jmlowman@directvinternet.com and let him know.

>

> This is a really nice place, the food's good, and we'll get to order off
the

> menu -- no rubber chicken specials or like that. BUT YOU GOTTA LET JIM
KNOW

> BY FRIDAY IF YOU WANT IN. Also, since the place is a little away from the
> convention center, we need to arrange for transportation for those without
> cars.

>

> A gratuitous sidebar: if you are still on the fence about attending,
> apparently the Holiday Inn is *still* offering the convention rate for
> rooms: \$89 versus \$119. They said that offer would expire on August 20th,
> but K6BNC just booked a room and was offered the convention rate. Shhhh!
> It'll be our secret, but call them up now before that expires.

>

> The convention website has all the information including the great QRP
forum

> program we are putting on:

>

> <http://www.qsl.net/arrrl-2001swdc/>

>

> And, don't forget to e-mail Jerry Parker and let him know you are coming
so

> he can make a badge for you! AGAIN, IF YOU'RE GOING DO THAT RIGHT AWAY SO
> JERRY CAN GET THEM DONE IN TIME. He does great work and you gotta have one
> of these as a memento!

>

> jparker@fix.net

>

> See you there!

>

> Bill, K6WHP

>

> -----

>

> Date: Wed, 29 Aug 2001 14:37:00 -0400

> From: Kenneth Hoglund <hoglund@wfu.edu>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Subject: [106024] Science Fair Projects using Ham Radio?
> Message-ID: <3B8D364C.84E82D2@wfu.edu>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> I haven't placed "OT" in front because this is precisely one of the most
> on-topic issues we can discuss. QRP is ideal for allowing
> experimentation with simple circuits and inexpensive projects. And, if
> we don't actively recruit new qrp'rs, who are we going to qso with in
> the future?
>
> The same conversations about interesting projects have been going on at
> our house. At my son's school, the focus of the fair is more on
> experimentation and presentation/interpretation of results, not just
> neat applications of scientific principles. This makes coming up with
> "interesting" projects a little more difficult.
>
> Accordingly, we've been fooling with several ideas:
>
> --rf shielding: using simple (like pixie or Tuna Tin II) source, limited
> antenna, and
> surrounding with various "shields" showing the relative
> effectiveness of various
> materials in cutting down rf exposure.
>
> --audio filtering: building simple audio filter with variable values and
> feeding sw
> signals (such as WWV) into filter to show effect of supressing
> certain sound
> frequency ranges on intelligibility of signal. Could use computer
> soundboard
> spectrum analyzers to spice up the data.
>
> There are other radio-related projects that could catch a kid's
> imagination. For example, several websites have simple VLF receivers
> that can record "whistlers" and other atmospheric phenomenon.
>
> Some quick thoughts---maybe others have some ideas to share.
>
> 73
> Ken KG4FGC
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 12:03:18 -0700 (PDT)

> From: Scotty Wright <zydeco9214@yahoo.com>
> To: hduff@ica.net,
> Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: [106025] No Mod WX band on FT817 cant get there from here
> Message-ID: <20010829190318.20345.qmail@web13508.mail.yahoo.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset=us-ascii
>
> Hello QRP-1
> True the ft-817 dose not have a WX capability. There
> is a excellent ft-817 user group on YAH00. We discuss
> the modes for the rig, but so far we have not been
> able to get it to RX up to the 156mhz range WX. This
> little rig may be a good starting point for the new 5
> mhz band as their is a all hf mod. No it dose not have
> the ears of the K2 and is a heavy power hungry rig.
> But the nearest comparison is the ft100. I figure it
> would only cut my range by one day in the bush. Bottom
> line, I love the lil rig. It dose almost everything I
> want it to do. For wx I carry a VX-1r. The combination
> makes a nice pair for camping and emergency work. I
> have a tin ear, so the RX is no big deal. The power
> consumption is high, but my thought is this would be a
> plus as it would keep a snow cave to 32F nice and
> toasty. 73 de wb5tla k
>
> -----
> Do You Yahoo!?
> Get email alerts & NEW webcam video instant messaging with Yahoo!
Messenger
> <http://im.yahoo.com>
>
> -----
>
> Date: Wed, 29 Aug 2001 15:06:42 -0400
> From: Bill Coleman <aa4lr@arrl.net>
> To: <nkennedy@tcainternet.com>,
> "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [106026] Re: Adding a BFO to a RCVR
> Message-ID: <1010729150644.PAA21734@gate.iterated.com>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="US-ASCII"
>
> On 8/24/01 10:02 AM, Nick Kennedy at nkennedy@tcainternet.com wrote:
>
> >The normal BFO on the S-120 is just a pot from a suppressor grid to
ground
> >that causes the stage to break into regeneration, I guess. Anyway, it

> >makes CW sound like someone is gargling through a kazoo.
>
> I used to have an old Heath GR-64 that had a BFO like this. The key was
> to adjust the BFO level so it just bearily breaks into oscillation. (Much
> like you would on a regenerative receiver)
>
> Worked OK on the GR-64. Biggest problem was the pot, having a DC voltage
> across it, got scratchy after a short while. The GR-64 wasn't the most
> stable, especially on band D, but after a considerable warm-up, it would
> stay put for most SWL-type CW or SSB demodulating.
>
>
>
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901
>
>
> -----
>
> Date: Wed, 29 Aug 2001 15:11:58 -0400
> From: Tim ORourke <TORourke@KaiserFT.com>
> To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
> Subject: [106027] Elecraft Booth @ Shelby Ham Fest
> Message-ID: <910D8E9955E3D411B3AE00A0C9319CB80C63B2@MAIL>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
>
> Attention all Elecrafters planning on attending Shelby Ham Fest. John
> Halliwell and I will be sharing duties manning the Elecraft Booth. Stop by
> and say hello and bring your rig and QSL cards by to help fill the booth.
If
> you would like to help out manning the booth please e-mail us off the
list.
>
>
> John Halliwell WB4VLQ
> halliwel@esper.com
> or
> Tim ORourke KG4CHX
> TORourke@KaiserFT.com
>
> -----
>
> Date: Wed, 29 Aug 2001 15:11:33 EDT
> From: Drbob92031@aol.com

> To: qrp-1@lehigh.edu
> Subject: [106028] Re::Science Fair Project using Ham Radio? YES
> Message-ID: <be.19cc47b7.28be9865@aol.com>
> MIME-Version: 1.0
> Content-Type: text/plain; charset="US-ASCII"
> Content-Transfer-Encoding: 7bit
>
> How can any one even think of not including Ham Radio in a science fair.
> Science is what radio is all about. The "nuts and bolts" so to speak of
the
> hobby..
> A science fair can have the science of electronics demonstrated thru Ham
> Radio. Its a natural. A virtual "show and tell". The telephone is always a
> presence at science fairs and Ham Radio leaves the telephone in its dust.
>
> 72/73 de WA2EAW..Bob
>
> -----
>
> Date: Wed, 29 Aug 2001 15:13:09 -0400 (EDT)
> From: Stephan Greene <sgreene@patriot.net>
> To: Michael Bower <bowerm@ix.netcom.com>
> Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: [106029] Re: OT:Science Fair Project using Ham Radio?
> Message-ID: <Pine.LNX.4.10.10108291500000.1198-1000000@tzion.greene.lan>
> MIME-Version: 1.0
> Content-Type: TEXT/PLAIN; charset=US-ASCII
>
> On Wed, 29 Aug 2001, Michael Bower wrote:
>
> > My daughter is in need of a Science Fair Project idea. I was thinking
> > that it would be nice if she could do something using ham radio but I
>
> Hi Mike!
>
> More important - does *she* want to do something using radio? She should
> pick a subject that arouses her curiosity. If it happens to be
> radio-related, so much the better for you (now Dad can help with all that
> equipment in the shack...)
>
> > don't have any ideas that would work. I don't think she can simply
> > build a kit. I don't think she can build the kit using the Elmer 101
> > course. I suppose we could build a radio using Manhattan style and
> > build it from scratch but I don't have kind of knowledge. (Hmm, how
> > about a very simple rig where we put a lot of the devices on switches so
> > you can switch in or out a component and see the affect?)
>
> You don't mention what grade she's in - I will assume jr or sr high.

>
> Here are a couple of ideas:
>
> - propagation studies using APRS beacons on 2M or 30M, maybe correlate
> with NOAA observations from spaceweather. Nice tie-in to how the
> ionosphere affects radio propagation. More sophisticated could be same
> using the 20M beacons.
>
> - maybe there's something you can do with sound card DSP, involving the
> sound card-based software. I learned more about how my receiver works
> using the PSK31 waterfall displays as a visual aid than I ever learned
> reading the manual.
>
> - She could be her own "Kettering Group" and back-calculate a LEO
> satellite orbit from doppler data. Use the ISS 2M station (when it's
> operating) or any of the Mode J FM birds with discriminator output to
> measure the rx freq, or the cw beacon on RS12 or the Fuji birds.
>
> - Something involving radio direction finding? build some df equipment
> (2m) and evaluate how it works in the real world against a known target
> (repeater or base/mobile in a known location).
>
> - something involving weather satellite reception.
>
> When I was in high school (jr or sr year), I did a project involving laser
> communications based on some articles that were in popular electronics for
> building a 'communicator' using IR laser diodes. (I wanted to do
> something "ham" related but couldn't for reasons I don't recall). It was
> really engineering (build and test performance) rather than science, but
> it was good enough to get me a state-level nth runner up in some science
> fair the Army co-sponsored. (At the national meeting, I ran into the kids
> who were doing graduate-level research while in high school, courtesy of
> really aggressive AP science programs and probably some parental contacts
> - scary!).
>
>
> Good luck!
>
> 73
> Steve
>
> -----
> Stephan A. Greene sgreene@patriot.net ka1lm@amsat.org
> Herndon, VA 1-703-421-7101 office 1-703-980-3475 cell
> -----
>
>
> -----

>
> Date: Wed, 29 Aug 2001 15:51:17 -0400
> From: "Charles Mabbott" <crmabbott@mediaone.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [106030] RE: No WX band on FT817...a ? SERIOUS ? concern!
> Message-ID: <GAECLOGOMILPLBGKKPEGMEBLCAA.crmabbott@mediaone.net>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
> As I recall, I'll be carrying extra battery if I remember
> the consumption figure 400ma right and not worry about
> the WX band. Besides how often when you play radio does
> anyone intentionally tune to WX band? Just my .02
>
> Based on the forums at Huntsville, it seems to have quite
> a few features including some computer interface for
> various digital modes like PSK and so on. It is still
> more than I wish to pay, but it certainly does pack a
> lot of features into a small space
>
> =====
> Chuck Mabbott
> AA8VS
> 42 19' 52" N 83 28' 32" W
> Grid Square EN82gh
> Home Page: <http://aa8vs.dhs.org:81/aa8vs>
> FP-113 MI-QRP#1212 Firebirds #2117 SOC #445
> Chuck
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On
> Behalf Of
> Mike Yetsko
> Sent: Wednesday, August 29, 2001 11:00 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: No WX band on FT817...a SERIOUS concern!
>
>
> -----
>
> Date: Wed, 29 Aug 2001 15:54:08 -0400
> From: "Charles Mabbott" <crmabbott@mediaone.net>
> To: <w2agn@pobox.com>,
> "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [106031] RE: Cover of July 2001 QRP Quarterly
> Message-ID: <GAECLOGOMILPLBGKKPEGIEBMCMAA.crmabbott@mediaone.net>

> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="us-ascii"
> Content-Transfer-Encoding: 7bit
>
> As I recall, I played golf for 8 months before I realized
> what the fairways were for. I would have better luck making
> QSOs that birdies, but would be rude to the other guys.
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On
> Behalf Of
> John L. Sielke
> Sent: Wednesday, August 29, 2001 2:04 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Cover of July 2001 QRP Quarterly
>
>
> Golf, a GAME!? Good grief, man, next thing you'll be saying Ham
> Radio is a HOBBY!
>
> Get real!
>
> John W2AGN (whose golf scores would look impressive...at a bowling
> alley)
>
>
>
> On 29-Aug-2001 William H. Launer wrote:
> > I thought golf was a game - maybe the golfers should go to the
> 19th hole
> > BEFORE the game!
> >
>
>
> -----
>
> Date: Wed, 29 Aug 2001 16:49:55 -0400
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: <brad.mugleston@gwl.com>,
> "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [106032] Re: Math Theory Help
> Message-ID: <010e01c130cc\$32f89ca0\$6b01a8c0@INSYDENT>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>

> >---- Original Message ---->
> From: Mugleston, Brad <brad.mugleston@gwl.com>
>
>
> > When I got my Advanced ticket I took a class. The main reason I took
> the
> > class was I wanted to pass the exam and LEARN something (not just
> learn how
> > to pass the test). The instructor was great (forget his name) and he
> could
> > explain what he was talking about - I think I drove the others in the
> class
> > nuts as I wanted to understand and most of them just wanted to pass
> the
> > exam.
> >
> > Anyway at one point I had a basic understanding of what this meant
> > "feedpoint Z of $41+j42$ ". Well at times, when I can't sleep, I get
> the
> > books out and re-learn it. But I'm getting older and don't have as
> much
> > trouble sleeping (can't seem to get enough) and I don't remember as
> long.
> > My math background is sufficient to do the math but I can't remember
> what is
> > going on.
> >
> > How about an Elmer thread - one that explains what is meant when you
> see the
> > $Z = XX + jYY$. How are XX and YY measured, what do they mean and it
> appears
> > that just by looking at $XX + jYY$ a lot of people on this list have an
> > understanding of what the overall picture is. To me it's just an
> imaginary
> > number and I don't really remember what those are (they are kind of
> like
> > Dragons aren't they?). I want the theory or story behind it. What
> can you
> > do with it and what does it tell you.
> >
> > So how about it.
> >
> > de KI00T, Brad
> >
>
> OK, think about it this way...
>
> The XX is the 'resistive' component, and the jYY is the 'reactive'

> component.
>
> What is resistive? Well, usually resistors. What is reactive? Well,
> usually
> capacitors and coils.
>
> Are resistors just resistive? Well, usually yes, but in the real world
> no.
> It's just that in most circuits the 'reactive' part of a resistor is
> just so small
> compared to the resistance it doesn't matter.
>
> Apply a battery to a resistor, what happens? Current flows, but it is
> 'resisted' by the component. If you apply AC voltage to a resistor,
> what happens? The same thing. That's because a resistor has almost
> no 'reactive' component.
>
> Now do the same thing with a capacitor. Apply a battery to a capacitor,
> what happens? Current flows. Until the capacitor 'charges up', and the
> current stops. You cannot 'instantaneously' change the voltage 'across'
> a capacitor, but you can change the current through it. (Coils are just
> the
> opposite, you cannot instantaneously change the current through a coil,
> but you can change the voltage across it.)
>
> Now apply AC to that capacitor, what happens? Well, as the AC starts,
> current flows into the cap. As the AC rises, the current will continue
> to
> follow upwards also, but what happened to the voltage? You can't change
> it instantaneously! So it lags behind. When the AC gets to the peak of
> the waveform, where's the cap at? Lagging behind! Now the AC drops,
> passes the cap, and the cap starts dumping it's charge following the AC
> down, but always lagging.
>
> In design, try to remember ELI the ICE man. In "ELI" the E (voltage) is
> before the "I" (current) for an "L" (inductor). Can you figure out what
> "ICE"
> stands for? And remember, if the voltage 'lags' on a capacitor, doesn't
> that mean the current leads the voltage?
>
> Anyway....
>
> When you have $XX+jYY$ think of it as a graph. XX is the 'horizontal' or
> 'real' axis. And the jYY is the 'vertical' or 'imaginary' axis. If you
> plot a
> value of $XX+jYY$, you have a point, right? Imagine if you draw a line
> from the point you just plotted to the origin at $0,0$. The 'angle'
> between

> that line and the 'horizontal' axis could be used to specify the
> position
> of that point, along with the length of the line, right?
>
> So, when you have XX+jYY you could also say ZZ at an angle, where
> ZZ is the actual 'impedance' of the whole thing. The term impedance
> is actually the correct term to use in all cases, as a resistor has a
> resistance PLUS it has a very small reactance, very close to 0 in most
> cases. For ideal components, where reactance is very small, the
> impedance and the resistance will essentially be the same. But as
> frequencies go up, that can change!
>
> So, did I confuse this even more or did this help?
>
> Mike
>
>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 13:54:15 -0700
> From: "N7SG K7FD" <k7fd@hotmail.com>
> To: qrp-l@Lehigh.EDU
> Subject: [106033] Re: HF Bands again bad aka The Sky is Falling, The Sky
is Falling...
> Message-ID: <F118CCtgx8VUkRacUtI0000142a@hotmail.com>
> Mime-Version: 1.0
> Content-Type: text/plain; format=flowed
>
>
> Day in, day out I read these reports...then fire up the rig and add a few
> more q's to the log, usually with 5 watts or less. Keep swinging the bat,
it
> works.
>
> 73 John K7FD
>
> >From: "Karl F. Larsen" <k5di@zianet.com>
>
> >
> > Please have a look at this web page:
> >
> > <http://www.sec.noaa.gov/ftpdir/indices/events/events.txt>
>
>
> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

>
>
> -----
>
> Date: Wed, 29 Aug 2001 17:00:08 -0400
> From: Bill Coleman <aa4lr@arrl.net>
> To: <Ronald_A_Pfeiffer@raytheon.com>,
> "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [106034] Re: Antenna HELP
> Message-ID: <1010729170009.RAA05453@gate.iterated.com>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="US-ASCII"
>
> On 8/22/01 9:35 AM, Ronald A Pfeiffer at Ronald_A_Pfeiffer@raytheon.com
> wrote:
>
> >My environment is:
> > 1. No antenna in front yard.
> > 2. House is 35 feet high.
> > 3. backyard from house to property line is 22 feet.
> > 4. Property width is 40 feet.
> > 5. 35 feet from back of house is a wooded area with trees
> > 30 feet tall.
> > 6. No town restriction for backyard installations.
>
> Can you hang a dipole from one end of your house to the opposite corner
> trees? If no one lives in back of you -- go ahead and use those trees!
>
> A 40m dipole requires 70 (at most) feet. Or, you could scrimp a bit and
> let the last 5 feet of each end hang down from the insulators (need 60
> feet).
>
> Seems like you have enough room.
>
> Here are other options to consider:
>
> * Horizontal loop at 30-35 feet. (it would be 140 feet around) Support it
> at both ends of your house, and two trees behind you. Would work great
> for locals.
>
> * Vertical antenna. You can get a commercial 1/4 40m antenna, perhaps one
> of the older trapped designs. Or you can put up 30-odd feet of
> telescoping Aluminum tubing. Biggest obstacle is putting down a
> sufficient number of radials. Buddy of mine lives in a CC&R neighborhood.
> He has an 80m vertical made out of a 65 foot run of coax up a tree. He's
> got a handful of radials, and he says he can work everything he hears.
> (Of course, he's a QRO op)
>

> * Putting up a Rohn 25 or 45 tower bracketed to your house, and adding a
> 40m rotatable dipole. You could also put up a tribander as well.
>
> * Moving. (just kidding)
>
> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901
>
>
> -----
>
> Date: Wed, 29 Aug 2001 17:04:26 -0400
> From: Bill Coleman <aa4lr@arrl.net>
> To: <jamesd1@flash.net>,
> "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: [106035] Re: Antenna HELP
> Message-ID: <1010729170425.RAA06296@gate.iterated.com>
> Mime-Version: 1.0
> Content-Type: text/plain; charset="US-ASCII"
>
> On 8/23/01 8:38 PM, James R. Duffey at jamesd1@flash.net wrote:
>
> >Use an inverted vee monted on top of your house. It should be pretty easy
> to
> >put up a 5 or (even better) 10 ft pole at the peak of the house or on the
> >chimney. Radio Shack has TV masts that will work.
>
> I'd avoid the 10 foot painted steel masts that are swaged at one end. You
> can find these at Radio Shack or Home Depot. They are expensive (\$8-10),
> and they rust quickly. I'd recommend a 10 foot piece of rigid conduit
> instead. These are heavy, galvanized and won't rust.
>
> >For 40 M only, use a 40 M dipole. Zig zag the ends if you don't have the
> >space to put them on the roof.
>
> Why put it so close to the house? You want to get the antenna out in the
> open. I'd use those trees in the back.
>
> >If you want multiband use, use a 44 ft center fed dipole. Feed it with
450
> >Ohm ladderline. You will need to mount standoffs on the pole. Electric
> >fence standoffs work well. Use a antenna tuner. This will work 40 - 10
> >pretty good. You can laugh at the other net members.
>
> Anything 44-100 feet should work. Whatever you have room for.
>
> >A 10 foot pole plus the height of the roof, 35 feet, will put the antenna

up

> >high enough to do some good. Just getting it out of the attic will help a
> >lot.

>

> For strictly local work, 35 feet is high enough for 40m. Higher would be
> better, especially for lower angle signals (DX).

>

>

>

> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
> -- Wilbur Wright, 1901

>

>

> -----

>

> Date: Wed, 29 Aug 2001 21:19:48 +0000
> From: "Leon Heller" <leon_heller@hotmail.com>
> To: brad.mugleston@gwl.com, qrp-l@Lehigh.EDU
> Subject: [106036] Re: Math Theory Help
> Message-ID: <F169MzAUor03u9PH3Ih00019720@hotmail.com>
> Mime-Version: 1.0
> Content-Type: text/plain; format=flowed

>

> >How about an Elmer thread - one that explains what is meant when you see
> >the

> >Z = XX +jYY. How are XX and YY measured, what do they mean

>

> If you see $Z = XX + jYY$ it means you have an impedance consisting of a
pure

> resistance XX in series with an inductive reactance of YY. YY is a pure
> inductor.

>

> $Z = XX -jYY$ is similar, with a capacitive reactance in series.

>

> j is the sq. root of -1, of course. It's needed because we are really
> dealing with vectors, and multiplying by j rotates a vector through 90
> degrees.

>

> Both XX and YY are measured in ohms. It can be a bit tricky to measure XX
> and YY with real components. The easiest way is with a network analyser
> (lots of \$\$\$). Antenna analysers do it, as well. You can add known L or C
to

> get a resonant circuit, measure the resonant frequency and calculate the
> value of YY. By measuring the bandwidth you can also estimate the
resistive

> component, XX.

>

> Once you know the values, you can add L or C to get a purely resistive
> circuit, which is required for a resonant antenna system. L and C
reactances
> are equal at resonance.
>
> I'm a bit rusty on this stuff; I hope I've got it right. Someone will tell
> me if I haven't. 8-)
>
>
> 73, Leon
> --
> Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
> My web page: http://www.geocities.com/leon_heller
> My low-cost Altera Flex design kit: <http://www.leonheller.com>
>
>
>
> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>
>
>
> -----
>
> Date: Wed, 29 Aug 2001 15:23:08 -0600 (MDT)
> From: "Karl F. Larsen" <k5di@zianet.com>
> To: "Mugleston, Brad" <brad.mugleston@gwl.com>
> Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: [106037] Re: Math Theory Help
> Message-ID:
<Pine.LNX.4.33.0108291515450.1372-1000000@localhost.localdomain>
> MIME-Version: 1.0
> Content-Type: TEXT/PLAIN; charset=US-ASCII
>
>
> Brad, Just think "Simple". 41 +j42 means just that the impedance seen at
> the input to your feed line is a 41 ohm resistor in series with a 42 ohm
> inductor. Had the number been 41 -j42 then it would have been a 42 ohm
> capacitor.
>
> Now the 42 ohms means this is the impedance of the capacitor at the
> frequency it was measured at. If you want to know the value of the
> capacitor, you use $c = 1/\text{frequency} \times 2 \text{ pie} \times 42$.
>
> The 41 is just a resistor of 41 ohms.
>
> You measure this kind of stuff with a MFJ Antenna Analyser.
>
> On Wed, 29 Aug 2001, Mugleston, Brad wrote:

>
> > When I got my Advanced ticket I took a class. The main reason I took
the
> > class was I wanted to pass the exam and LEARN something (not just learn
how
> > to pass the test). The instructor was great (forget his name) and he
could
> > explain what he was talking about - I think I drove the others in the
class
> > nuts as I wanted to understand and most of them just wanted to pass the
> > exam.
> >
> > Anyway at one point I had a basic understanding of what this meant
> > "feedpoint Z of 41+j42". Well at times, when I can't sleep, I get the
> > books out and re-learn it. But I'm getting older and don't have as much
> > trouble sleeping (can't seem to get enough) and I don't remember as
long.
> > My math background is sufficient to do the math but I can't remember
what is
> > going on.
> >
> > How about an Elmer thread - one that explains what is meant when you see
the
> > $Z = XX + jYY$. How are XX and YY measured, what do they mean and it
appears
> > that just by looking at $XX + jYY$ a lot of people on this list have an
> > understanding of what the overall picture is. To me it's just an
imaginary
> > number and I don't really remember what those are (they are kind of like
> > Dragons aren't they?). I want the theory or story behind it. What can
you
> > do with it and what does it tell you.
> >
> > So how about it.
> >
> > de KI00T, Brad
> >
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>
>
> -----
>
> Date: Wed, 29 Aug 2001 15:37:00 -0600
> From: "Mugleston, Brad" <brad.mugleston@gwl.com>

> To: Mike Yetsko <myetsko@insydesw.com>,
> Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
> Subject: [106038] RE: Math Theory Help
> Message-ID: <F9645092A142D3118CBD00805F15292E15CAF5AC@eb-mail1.gwl.com>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
>
> Wow, thanks for the quick course.
>
> OK, some more questions
>
> Does the length of the hypotenuse equal something about antennas (I seem
to
> remember doing something with the square root of the sum of the squares
of
> the two sides in my class - I think some guy named Pythagorean thought
that
> one up)?
>
> Based on your last paragraph, the reactive component is dependent on
> Frequency. from what I know about antennas (and what someone else sent
me -
> thanks Jerry) this number would get more negative the lower the frequency
> for the same antenna - is that correct?
>
> So what would the ideal Z be? Would it be $0 + j0$? or is there an amount
of
> resistance that you want? Is there a happy compromise or relationship
> between the two parts that you should look for? Can you tell I got my
brain
> working today at work and now ran out of things I want to do?
>
> Thanks, I'll check in later.
>
> Brad
>
> > -----Original Message-----
> > From: Mike Yetsko [SMTP:myetsko@insydesw.com]
> > Sent: Wednesday, August 29, 2001 2:50 PM
> > To: brad.mugleston@gwl.com; Low Power Amateur Radio Discussion
> > Subject: Re: Math Theory Help
> >
> > OK, think about it this way...
> >
> > The XX is the 'resistive' component, and the jYY is the 'reactive'
> > component.
> >

> > What is resistive? Well, usually resistors. What is reactive? Well,
> > usually capacitors and coils.
> >
> > Are resistors just resistive? Well, usually yes, but in the real world
> > no. It's just that in most circuits the 'reactive' part of a resistor
is
> > just so small compared to the resistance it doesn't matter.
> >
> > Apply a battery to a resistor, what happens? Current flows, but it is
> > 'resisted' by the component. If you apply AC voltage to a resistor,
> > what happens? The same thing. That's because a resistor has almost no
> > 'reactive' component.
> >
> > Now do the same thing with a capacitor. Apply a battery to a capacitor,
> > what happens? Current flows. Until the capacitor 'charges up', and the
> > current stops. You cannot 'instantaneously' change the voltage 'across'
a
> > capacitor, but you can change the current through it. (Coils are just
the
> > opposite, you cannot instantaneously change the current through a coil,
> > but you can change the voltage across it.)
> >
> > Now apply AC to that capacitor, what happens? Well, as the AC starts,
> > current flows into the cap. As the AC rises, the current will continue
to
> > follow upwards also, but what happened to the voltage? You can't change
> > it instantaneously! So it lags behind. When the AC gets to the peak of
> > the waveform, where's the cap at? Lagging behind! Now the AC drops,
> > passes the cap, and the cap starts dumping it's charge following the AC
> > down, but always lagging.
> >
> > In design, try to remember ELI the ICE man. In "ELI" the E (voltage) is
> > before the "I" (current) for an "L" (inductor). Can you figure out what
> > "ICE" stands for? And remember, if the voltage 'lags' on a capacitor,
> > doesn't that mean the current leads the voltage?
> >
> > Anyway....
> >
> > When you have $XX+jYY$ think of it as a graph. XX is the 'horizontal' or
> > 'real' axis. And the jYY is the 'vertical' or 'imaginary' axis. If you
> > plot a value of $XX+jYY$, you have a point, right? Imagine if you draw a
> > line from the point you just plotted to the origin at 0,0. The 'angle'
> > between that line and the 'horizontal' axis could be used to specify the
> > position of that point, along with the length of the line, right?
> >
> > So, when you have $XX+jYY$ you could also say ZZ at an angle, where ZZ is
> > the actual 'impedance' of the whole thing. The term impedance is
actually

> > the correct term to use in all cases, as a resistor has a resistance
PLUS
> > it has a very small reactance, very close to 0 in most cases. For ideal
> > components, where reactance is very small, the impedance and the
> > resistance will essentially be the same. But as frequencies go up, that
> > can change!
> >
> > So, did I confuse this even more or did this help?
> >
> > Mike
> >
> >
>
> -----
>
> Date: Wed, 29 Aug 2001 15:56:21 -0600
> From: "Mugleston, Brad" <brad.mugleston@gwl.com>
> To: "Karl F. Larsen" <k5di@zianet.com>
> Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
> Subject: [106039] RE: Math Theory Help
> Message-ID: <F9645092A142D3118CBD00805F15292E15CAF5B1@eb-mail1.gwl.com>
> MIME-Version: 1.0
> Content-Type: text/plain
>
> Karl,
>
> Thanks, that adds one more part to the puzzle. Don't have the MFJ but I
do
> have an RF-1 which does the same thing.
>
> One question (I know I should look it up and yes I do know where to look
it
> up but it's at home)
>
> How do I measure the value of the inductor in $+j42$?
>
> Brad
>
> > -----Original Message-----
> > From: Karl F. Larsen [SMTP:k5di@zianet.com]
> > Sent: Wednesday, August 29, 2001 3:23 PM
> > To: Mugleston, Brad
> > Cc: Low Power Amateur Radio Discussion
> > Subject: Re: Math Theory Help
> >
> >
> > Brad, Just think "Simple". $41 + j42$ means just that the impedance seen at
> > the input to your feed line is a 41 ohm resistor in series with a 42 ohm

> > inductor. Had the number been 41 -J42 then it would have been a 42 ohm
> > capacitor.
> >
> > Now the 42 ohms means this is the impedance of the capacitor at the
> > frequency it was measured at. If you want to know the value of the
> > capacitor, you use $c = 1/\text{frequency} \times 2 \text{ pie} \times 42$.
> >
> > The 41 is just a resistor of 41 ohms.
> >
> > You measure this kind of stuff with a MFJ Antenna Analyser.
> >
>
> -----
>
> Date: Wed, 29 Aug 2001 15:04:44 -0700
> From: "bob baxter" <rbaxter@cybertrails.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: [106040] Re: Cover of July 2001 QRP Quarterly
> Message-ID: <003401c130d6\$9e79c6c0\$79142aa2@bobbaxte>
> MIME-Version: 1.0
> Content-Type: text/plain;
> charset="iso-8859-1"
> Content-Transfer-Encoding: 7bit
>
>
> . I would have better luck making
> > QSOs that birdies, but would be rude to the other guys.
>
> What you folks don't understand about the golf courses in Cochise County
> is that we are almost totally alone out there. The rattlesnakes and
> roadrunners outnumber us by 20 to 1. I have been seriously considering
> rigging up for pedestrian mobile so I can amuse myself while the rest of
> my foursome is thrashing around out in the mesquite, looking for their
> lost golf balls.
>
> Bob Baxter AA7EQ
> Bisbee, Az.
>
>
> -----
>
> Date: Wed, 29 Aug 2001 16:26:56 -0600
> From: "Marshall Emm" <mgemm@mtechnologies.com>
> To: Qrp-1@lehigh.edu
> Subject: [106041] Fox: ET, Notice for the Last One!
> Message-ID: <3B8D17D0.19018.147D905@localhost>
> MIME-Version: 1.0
> Content-type: text/plain; charset=US-ASCII

> Content-transfer-encoding: 7BIT
>
> { SEQ CHAPTER \h \r 1}[Note for "one-pelters" and "cubs" at the end]
>
> I'll be one of the two foxes tomorrow night in the last week of the Summer
2001
> season-- last chance to get a pelt or two!
> At least till October [g].
>
> I'll be calling around 14.061, and Jerry (N9AW) will be calling around
14.055--
> UNLESS we decide to swap it around.
>
> Given any kind of condx at all, things will be busy for the first hour and
I
> will operate split-- up to 2KHz or so ABOVE my transmit frequency. Please
> don't transmit on "my" frequency because I simply won't hear you. OTOH
if you
> have only RIT or the limits of audibility, you can call me up .5-1KHz and
I
> will hear you eventually.
>
> You should get an idea of where I am listening from who I am working at
any
> given time, but I will be moving and the trick will be to try to figure
out
> which way I'm moving, and by how much. There's a good chance that a LOT of
you
> will figure it out pretty quick, which will result in my changing the
pattern,
> so stay loose!
>
> Calling more than once is probably going to be a necessity, but please
listen
> in between-- my exchange will be sent quickly and is easy to miss::
>
> callsign rst CO ET 5W callsign BK
>
> If you think it will help in identifying my signal, please view the new
picture
> on the fox info page at <http://www.cqc.org/sfox/foxes.htm> . There's a
link
> near the bottom of the page.
>
> The most important thing to note is that persistence and patience pay
off--
> even if you can't hear me for the first hour and a half my signal could
pop up

> briefly toward the end. So don't give up if you don't get me right away!
>
> Finally I want to make a special offer to any cub hunt hounds who haven't
> worked a Thursday fox, and "one pelters," the many of you who have worked
a
> single fox so far this summer. For one night only, you can have a pelt
> absolutely free. I'll be purposely looking for "slower," "shyer," and
"weaker"
> hounds toward the end-- do NOT let the first hour intimidate you. Your
pelt is
> sitting here ready to be handed over.
>
> Also don't worry about the speed-- later on I'll slow down as much as I
need
> to.
>
> The supply of pelts has been inventoried and there are plenty to go
around--
> good luck, and may the Fox be with you....
>
> 73
> Marshall Emm
> N1FN/VK5FN
> n1fn@MorseX.com
> Morse Express and Oak Hills Research
> "Everything for the Morse Enthusiast"
> <http://www.MorseX.com>
> <http://www.ohr.com>
> (303)752-3382
> --
>
> -----
>
> End of QRP-L Digest 2296
> *****
> -----
>

Date: Wed, 29 Aug 2001 17:26:46 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106049] Re: HF Bands again bad
Message-ID: <20010830002646.56627.qmail@web14610.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Short-term blackout conditions are very common during the middle of the day near sunspot cycle peaks, especially below 10 MHz. Luckily, these are normally short lived events since they are typically caused by D-layer absorption that dissipates quickly after the source of the disturbance (EM radiation from a solar flare) stops.

While working as a shore station HF operator for ship-to-shore communications I experienced these short-term blackout conditions very often.

There are other Web sites that report such things as daily earthquakes that can be equally disturbing. Sometimes there can be too much data available these days ;-)

=====

Steve Yates

Call: AA5TB

E-Mail: aa5tb@arrl.net

Location: Fort Worth, TX - Grid EM12gs

Web Page: <http://www.geocities.com/aa5tb>

Do You Yahoo!?

Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
<http://im.yahoo.com>

Date: Wed, 29 Aug 2001 20:12:09 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'brad.mugleston@gwl.com'" <brad.mugleston@gwl.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106050] RE: Math Theory Help
Message-ID: <01C130C6.E32E3A40.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Wow, great question. I was just thinking the other day about whether an article on the subject would find any audience. It does seem that complex math (that's its name, not a judgement of its difficulty) could be a major obstacle to those not exposed to it in school. And it doesn't have to be that way--there are simple rules for doing math with these numbers and with just a little practice it can become second nature.

In the bad old days, we manipulated these numbers with slide rules. Those

slides were smokin'! Then came scientific calculators with trig functions, making it a bit easier. And these days, many calculators can handle complex numbers directly, just as they will hand you the square root of a negative number instead of saying "ERROR". An EXCEL spreadsheet can do these numbers too.

OK. Complex numbers are used because an orthogonal number system is needed to represent both real and reactive components. Kinda like North, South, East and West.

Some terms ...

A real number is a number like 1, 2, 3.3333, -25 or PI

An imaginary number is a number multiplied by the square root of -1, symbolized as "i" by math guys and as "j" by electrical guys. Example: i, -2i, 0.707j

[BTW--"imaginary" is a whimsical term invented by mathematicians.

Electrical quantities with "imaginary" coefficients are quite real. I've even heard some engineers say, "Why do we care about this power if it's imaginary?" But it's very real.]

A complex number is the sum of a real and an imaginary number. Example 2 -5j.

When learning this system, it's quite helpful to diagram things out on graph paper, so you can see the next part. That being that there's two ways of representating these quantities: rectangular and polar form.

The complex numbers we've shown so far are given in rectangular form.

Taking your graph paper, set up two axes (lines at right angles to each other) in the middle of the page. From the intersection (origin) to the right is the positive real axis. To the left, negative real. Up is positive imaginary. Down, negative imaginary.

Find that point 2 - 5j. Start from the origin, count 2 squares to the right and 5 down and make a dot. Draw a line from the origin to that point. The length of that line is the magnitude of that quantity. It's also equal to the square root of -5 squared plus 2 squared. Or SQRT(29).

Magnitude? Yes, in polar form, you represent the quantity with a magnitude and angle. You just figured the magnitude. For the angle, measure the angle that the line you drew makes with the positive real axis. By the way, positive angles go CCW from the real axis, so this one being CW of it will be negative. On your calculator or spreadsheet, you can calculate the angle as the inverse tangent of the imaginary component divided by the real component. Or TAN⁻¹ (-5/2), where that -1 after TAN is supposed to look

like an exponent (superscript) but it really means inverse tangent or "the angle whose tangent is ...".

Polar form is represented like this: $5.5/_{45}$ degrees. Where the $_$ is supposed to look like a little angle symbol and you use the degree symbol, of course, instead of spelling out degrees. You would read this in words as, "five point five at an angle of forty-five degrees".

Whew! I'm gonna get lynched by people who hate long posts. Maybe this should be a multi-parter.

Anyway, back before computers and calculators made things easy, you needed to be able to go back and forth between the two forms to simplify calculations. Addition and subtraction work best in rectangular form and multiplication and subtraction work best in polar form.

Rules for adding and subtracting: Get quantities in rectangular form.

Adding--add the real numbers and add the imaginary numbers. Subtracting, same deal except subtract like quantities. Harder to say than to do.

$$\text{So } (2+j5) + (5-j3) = 7-j2$$

$$\text{And } (5-j3) - (7+j3) = -2-j6$$

For multiplication, use polar form and just multiply the magnitudes and add the angles.

For division, divide the magnitudes and subtract the angle of the denominator from the angle of the numerator.

$$\text{So } (50/_{20}) * (10/_{43}) = 500/_{63}$$

$$\text{and } (100/_{30}) / (2/_{70}) = 50/_{-40}$$

To take a reciprocal (one divided by the number), remember that any real number can be expressed as that number on an angle of 0 degrees,

$$\text{So } 1 / (5/_{25}) = (1/_{0}) / (5/_{25}) = 0.2/_{-25}$$

Oh yeah, how would you convert polar form to rectangular? You need some trig, unless you wanna do it graphically. If you have a polar form complex number with magnitude A and angle THETA, then the real part is

$\text{real} = A * \cos(\text{THETA})$ and the imaginary part is

$\text{imag} = A * \sin(\text{THETA})$ (don't forget to add the 'j' part)

If you haven't used trig before, don't let it scare you off. Those functions are available on your \$15 calculator. BTW--if your calculator is

fancy and can compute in "radians" or "degrees", be sure to set it for degrees if that's what you are using.

That's an introduction to how you manipulate 'em. And knowing those simple mechanics is a big part of the game. Oh yeah, be sure to always remember that j times j is equal to negative one.

Example: $2j \times 3j = -6$ (Hey, the product of two imaginary numnbers is a real number.)

The reciprocal of j (meaning $1/j$) is equal to $-j$. (You can show that by multiplying numerator and denominator by j .)

Now let's back up about 10 miles and ask where the heck all these complex numbers came from anyway. It's already been stated that the real part represents the real (resistive) part of a series form impedance and the imaginary number represents the reactive part. And reactances are negative if capacitive and positive if inductive. Also some terms--

Resistance is always a real quantity.

Reactance is always an imaginary quantity (pure inductive or capacitive)

Impedance is the sum of the two, so it's a complex number. It's completely general, because either the real or imaginary part could be zero and reduce to a pure resistance or reactance ...

But where was I? Analyzing circuits with sources other than DC and with inductors and capacitors instead of just resistors can get pretty hairy with the math. But the smart guys figured out some techniques for a branch of circuit analysis called steady-state AC analysis that simplifies it so we can use calculations quite similar to the Ohms' Law calcs we use on DC. But there are some rules--

We're only dealing with sinusodial waveforms here, and at a fixed frequency. And this is steady state. Initial switching stuff isn't covered. Wait a few cycles for things to settle down. With those disclaimers stated and knowing the frequency, you can calculate the reactance of inductors and capacitors and then use these quantities and your knowledge of how to manipulate complex numbers to calculate currents and voltages just like you do with Ohms Law on DC.

I might as introduce you to Jay Omega here. Omega is that symbol you see that looks like a lowercase script w . It is the radian frequency and is equal to the frequency in hertz times 2π . So the radian frequency of 60 hertz AC is 60 times 2 times 3.14 or 377. Sometimes you'll see the omega symbol, and sometimes you'll see $2(\pi)F$, and they are the same thing.

Reactance of an inductor:

$$X_L = j2\pi fL$$

Example: At 100 hertz, a 2 henry inductors reactance is ...

$$X_L = j2 * 3.14 * 100 * 2 \text{ or } 628j \text{ ohms}$$

Reactance of a capacitor:

$$X_C = 1/(j2\pi fC)$$

You see that the 'j' is in the denominator, and as I said before, that results in a -j the numerator (the reciprocal of j being -j).

OK, now you can take a circuit with resistance, inductance and capacitance values and convert the latter two to reactances. You can add 'em up in series, you can apply the parallel combination rule for reactances (or complex quantities) just like you do for resistors and so on.

Forgot to mention a couple things. Since we deal with angles here--the source needs one too. Assuming there's but one source, you would make it the reference and call it's angle zero. So you you have a source of 120 volts, you would call it 120/_0 or 120 volts at an angle of zero degrees. That way when you start calculating currents, their phase angles are with reference to the phase angle of the source.

Also, pure reactances can be shown in polar form as their quantity at an angle of plus or minus 90 degrees. Remember we said the positive imaginary axis goes up and the angles increase in the positive direction CCW from the positive real axis so ...

$$2j = 2/_{90} \text{ and}$$

$$-3j = 3/_{-90}$$

and also, resistances can be shown as their magnitude at an angle of zero degrees, so:

$$5 \text{ ohms} = 5/_0$$

OK--I've given you a year's worth of Circuits II without even any proofreading. And I'm sure it shows. I hope this and the other responses are of some use.

72--Nick, WA5BDU
in Arkansas

-----Original Message-----

From: Mugleston, Brad [SMTP:brad.mugleston@gwl.com]
to pass the
exam.

How about an Elmer thread - one that explains what is meant when you see
the
 $Z = XX + jYY$.

Date: Wed, 29 Aug 2001 21:03:04 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kc0bom@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [106051] Re: Math Theory Help
Message-ID: <004701c130ef\$8f8ec520\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Rob Matherly <kc0bom@arrl.net>

> Ah, you've just helped me a bunch with my Extra theory! Anyone care to
> explain polar coordinates?
>
> Rob, kc0bom

OK, real quick...

You're standing on your front porch. You have a
friend walk 3 yards away from you to your right,
then he makes a 90 degree turn to his left and walks
4 yards forward.

In x,y (Cartesian) co-ordinates he is X+3,Y+4.
If you're assumed to be at 0,0 then he's just referred to
as being at a 'relative' location of 3,4.

But, if you were to measure a direct line from you
to him, it would a length of 5 yards. So, he's 5 yards
at an ANGLE of arcsine(4/5) or (Oh oh, I'm REALLY
rusty here, am I correct when I say...) 60 degrees?
(See what happens when you have a calculator that
does the rect/polar conversion automatically for you?)

This is referred to as 'polar' because it assumes that '0' is the center of your map, like looking at the earth from directly above the north pole.

As to caps and coils in series or parallel, it doesn't matter. When you give an impedance, it's an 'equivalent' for a circuit. You do conversions as you keep adding to the 'network' for parallel and serial elements. Depending of what you're doing you do (I think I remember the name here) thevinin/norton (and I KNOW I butchered that spelling!) conversions to do voltage/current to whatever make the next piece of the network easiest to add.

Mike

Date: Wed, 29 Aug 2001 21:20:09 -0400
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [106052] Re: No Mod WX band on FT817 cant get there from here
Message-ID: <5.0.2.1.2.20010829210516.02149ca0@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I dunno. Seems to me that a 16.000MHz crystal (ICM part available at radioshack.com p/n 900-5139, \$1.55) and an SA602AN (r\$.com p/n 900-7085, \$2.97, also available from Dan's Small Parts and others) and a small handful of other parts would put the WX band right smack in the amateur 2M band (162.55 - 16.00 = 146.55).

But then, I'm in the midst of building K2 #2242. Why should I worry?

72 de Mike, K04WX
Michael C. Boatright

Date: Wed, 29 Aug 2001 21:34:11 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: edkess@pa.net

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106053] Re: Source for TUF mixers?
Message-ID: <5.0.2.1.0.20010829212415.009f8d80@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

In addition to the other sources already mentioned, Down East Microwave has them and I *think* Communications Concepts has them. They're not hard to find.

<http://www.communication-concepts.com/>

<http://www.downeastmicrowave.com/>

Something to bear in mind if you attend the Dayton Hamvention next year : MCL was selling stock from their booth and I was shocked to find they were selling SBL-1's for \$2.50 ea. I had 4 in my hand and asked "how much are these ?". "Ten" was the reply. I said a rude word and told him I could get them for 5 or 6 bucks anywhere. The guy smiled and said, "no,no - ten for all four. They're \$2.50 each." I picked out six more for a total of ten units and the guy said," ahhh, twenty bucks will cover it - ham discount".

Phil

At 08:14 AM 8/29/2001 -0400, Ed Kessler wrote:

>Good morning,

>

>Could someone please direct me to a vendor that carries the TUF mixers
>from MCL?

>

>Thanks,

>Ed AA3SJ

>

Date: Wed, 29 Aug 2001 20:50:37 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'kkleiner@megsinet.net'" <kkleiner@megsinet.net>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106054] RE: Math Theory Help
Message-ID: <01C130CC.42D68060.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Tom [SMTP:kkleiner@megsinet.net]

>

> If you see $Z = XX + jYY$ it means you have an impedance consisting of a
pure
> resistance XX in series with an inductive reactance of YY . YY is a pure
> inductor.

Leon,

What is it if the inductor is in parallel with the resistor?

Tom, N9HWC

Hello Tom--

You'd handle it just like you do resistances in parallel, but using your
knowledge of how to manipulate complex numbers, such I discussed in a very
recent post.

If you had two resistors, $R1$ and $R2$, you know that their parallel
equivalent resistance would be:

$$(R1 \cdot R2) / (R1 + R2)$$

Now if instead of resistances you had impedances, just substitute Z for R
and use the same equation, but now the numbers are complex.

$$Z_{eq} = (Z1 \cdot Z2) / (Z1 + Z2)$$

In the specific case posted, $Z1$ is a pure resistor of value XX and $Z2$ is a
pure inductor of reactance jYY .

A numerical example: Let R be 100 ohms and the inductive reactance be $j100$
ohms. Then ...

$$Z_{eq} = (100 \cdot j100) / (100 + j100) = 10 + j50 \text{ or } 70.7/_45 \text{ (70.7 on angle of } 45 \text{ degrees ohms).}$$

j72,

Nick, WA5BDU

Date: Wed, 29 Aug 2001 22:05:49 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [106055] Re: Bear photos
Message-ID: <000301c130f8\$4a5399a0\$5b7abc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Several folks have emailed me to ask if I was joking about there being black bears in NJ. Before moving here a year ago, I never would have associated NJ with them either but bear sightings are an almost-weekly occurrence for us, except during winter.

Here is a page of photos of bears in our yard beginning Sept 2000:
<http://www.qsl.net/ae5x/bears.html>

<http://www.state.nj.us/dep/fgw/news/bearn992.htm>

I'm starting to get edgy about camping around here!

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Wed, 29 Aug 2001 22:10:24 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: Qrp-l@Lehigh.EDU
Subject: [106056] RE: Math Theory Help
Message-ID: <5.0.2.1.0.20010829220309.00a08800@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:12 PM 8/29/2001 -0500, you wrote:

>Wow, great question. I was just thinking the other day about whether an
>article on the subject would find any audience. It does seem that complex
>math (that's its name, not a judgement of its difficulty)

Good efforts from all the people replying on this subject but it definitely IS a little tough to learn (and teach it) via e-mail.

Complex numbers and polar coordinates are well covered in Bill Orr's Radio Handbooks, and it used to be covered (probably still is) in the ARRL

Handbook. If you don't have any of those, the subject is covered very well in Schaum's Outlines which are available from many book stores. It isn't hard to learn but having a book with some worked examples and a few exercises is really the way to go.

Phil

Date: Wed, 29 Aug 2001 19:18:20 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106057] Re: No Mod WX band on FT817 cant get there from here
Message-ID: <004501c130fa\$0b127200\$0200a8c0@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doesn't the FT-817 do 220MHz or 1.2GHz either?
What were they thinking!?

#8^)

72, Dave, AD6A

Date: Wed, 29 Aug 2001 23:14:10 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <brad.mugleston@gwl.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106058] Re: Math Theory Help
Message-ID: <00e101c13101\$d6fcbae0\$3294fea9@robertparker>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes they hypoteneuse is the resultant impeadance Z.
XX +/-JJ is written in rectangular form
ZZ<Angle is written in polar form.
To go from one to the other perform this simple conversion.

>From rectangular to polar form:

Sqr Root [(XX)squared + (YY)squared]
This will give you Z or the hypotenuse
To get the angle use the Tangent trig function

Going from Polar to Rectangular form:
Again use trig functions to get the individual resistive and reactive components.
Simple trig and right triangle math.

----- Original Message -----

From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 29, 2001 5:37 PM
Subject: RE: Math Theory Help

> Wow, thanks for the quick course.
>
> OK, some more questions
>
> Does the length of the hypotenuse equal something about antennas (I seem to
> remember doing something with the square root of the sum of the squares of
> the two sides in my class - I think some guy named Pythagorean thought that
> one up)?
>
> Based on your last paragraph, the reactive component is dependent on
> Frequency. from what I know about antennas (and what someone else sent me -
> thanks Jerry) this number would get more negative the lower the frequency
> for the same antenna - is that correct?
>
> So what would the ideal Z be? Would it be $0 + j0$? or is there an amount of
> resistance that you want? Is there a happy compromise or relationship
> between the two parts that you should look for? Can you tell I got my brain
> working today at work and now ran out of things I want to do?
>
> Thanks, I'll check in later.
>
> Brad
>
> > -----Original Message-----
> > From: Mike Yetsko [SMTP:myetsko@insydesw.com]
> > Sent: Wednesday, August 29, 2001 2:50 PM

> > To: brad.mugleston@gwl.com; Low Power Amateur Radio Discussion
> > Subject: Re: Math Theory Help
> >
> > OK, think about it this way...
> >
> > The XX is the 'resistive' component, and the jYY is the 'reactive'
> > component.
> >
> > What is resistive? Well, usually resistors. What is reactive? Well,
> > usually capacitors and coils.
> >
> > Are resistors just resistive? Well, usually yes, but in the real world
> > no. It's just that in most circuits the 'reactive' part of a resistor
is
> > just so small compared to the resistance it doesn't matter.
> >
> > Apply a battery to a resistor, what happens? Current flows, but it is
> > 'resisted' by the component. If you apply AC voltage to a resistor,
> > what happens? The same thing. That's because a resistor has almost no
> > 'reactive' component.
> >
> > Now do the same thing with a capacitor. Apply a battery to a capacitor,
> > what happens? Current flows. Until the capacitor 'charges up', and the
> > current stops. You cannot 'instantaneously' change the voltage 'across'
a
> > capacitor, but you can change the current through it. (Coils are just
the
> > opposite, you cannot instantaneously change the current through a coil,
> > but you can change the voltage across it.)
> >
> > Now apply AC to that capacitor, what happens? Well, as the AC starts,
> > current flows into the cap. As the AC rises, the current will continue
to
> > follow upwards also, but what happened to the voltage? You can't change
> > it instantaneously! So it lags behind. When the AC gets to the peak of
> > the waveform, where's the cap at? Lagging behind! Now the AC drops,
> > passes the cap, and the cap starts dumping it's charge following the AC
> > down, but always lagging.
> >
> > In design, try to remember ELI the ICE man. In "ELI" the E (voltage) is
> > before the "I" (current) for an "L" (inductor). Can you figure out what
> > "ICE" stands for? And remember, if the voltage 'lags' on a capacitor,
> > doesn't that mean the current leads the voltage?
> >
> > Anyway....
> >
> > When you have XX+jYY think of it as a graph. XX is the 'horizontal' or
> > 'real' axis. And the jYY is the 'vertical' or 'imaginary' axis. If you

> > plot a value of $XX+jYY$, you have a point, right? Imagine if you draw a
> > line from the point you just plotted to the origin at 0,0. The 'angle'
> > between that line and the 'horizontal' axis could be used to specify the
> > position of that point, along with the length of the line, right?
> >
> > So, when you have $XX+jYY$ you could also say ZZ at an angle, where ZZ is
> > the actual 'impedance' of the whole thing. The term impedance is
actually
> > the correct term to use in all cases, as a resistor has a resistance
PLUS
> > it has a very small reactance, very close to 0 in most cases. For ideal
> > components, where reactance is very small, the impedance and the
> > resistance will essentially be the same. But as frequencies go up, that
> > can change!
> >
> > So, did I confuse this even more or did this help?
> >
> > Mike
> >
> >

Date: Wed, 29 Aug 2001 21:19:43 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Cc: elecrafft@qth.net
Subject: [106059] Best of: Compilation of QRP fun...
Message-ID: <F75F1H78TI2vGSQb0Su000001b52@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks to all who have sent me a nice note regarding the K7FD/N7SG webpages over the last year or so. In an attempt to 'put them all in one spot', I have made a 'qrp' page. Many of you are already familiar with the pages...if not, I've now posted:

<http://www.teleport.com/~cqdx/qrp.htm>

Annette and I will be adding and updating this spot in the future. Here's to many more qrp adventures!

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Thu, 30 Aug 2001 00:39:34 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-1@lehigh.edu
Subject: [106060] NEQRP CW Net, 30 August 01, 8:30 PM EDT, 3.565MHz
Message-ID: <3B8DC386.4A7836FC@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 30 August 2001, at 8:30 PM EDT (0030Z, 31 August 01) on or near 3.565 MHz. Net control operator for this week's 80M session will be John, WB1HBE, operating from Chelmsford, MA.

Despite the occasional static bursts for passing thunderstorms, conditions the last few weeks have been quite good, with most QNIs reporting 599 or better. Stop by and say hello to John and the rest of the gang.

72 DE K1CL,
Chuck.

Date: Wed, 29 Aug 2001 23:39:16 -0500
From: "George, W5YR" <w5yr@att.net>
To: nkennedy@tcainternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106061] Re: Math Theory Help
Message-ID: <3B8DC374.25BF2382@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Splendid, Nick.

Just one little addition:

The discussion thus far has expressed complex impedance as $R+jX$, for example, which can be interpreted as a series circuit of a resistance R and an inductive reactance (because of the $+$ sign; a $-$ sign would be capacitive).

But it is possible to use rectangular coordinates ($R+jX$) as well as polar

coordinates (the Z/_theta degrees notation) for parallel combinations of R and X.

I won't attempt to get into the math for converting from series to parallel circuits here - it is just a little messy and not all that hard - just so-called complex algebra.

I have found that most engineers tend to think in terms of equivalent series circuits, so if you encounter a parallel R and X, just apply the transformation formulas to get the corresponding $R+jX$ equivalent. In using them, just remember that "j" is defined as the square root of -1 and can be used like any "real" number. For example, j^2 (j squared) is just -1 times -1 or +1. Etc.

Glad to see this sort of discussion on the reflector! Fewer things could be more on topic than a basic understanding of some of math that underlies those Fox Hunts!

And yes, Nick, I still have my two slide rules: one K&E LOG LOG Duplex Vector and the other a special rule with additional scales for L, C, F, X, etc. But all the smoke is long gone! <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Nick Kennedy wrote:

>

> Wow, great question. I was just thinking the other day about whether an
> article on the subject would find any audience. It does seem that complex
> math (that's its name, not a judgement of its difficulty) could be a major
> obstacle to those not exposed to it in school. And it doesn't have to be
> that way--there are simple rules for doing math with these numbers and with
> just a little practice it can become second nature.

Date: Wed, 29 Aug 2001 23:41:30 -0500
From: "George, W5YR" <w5yr@att.net>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106062] Re: Math Theory Help
Message-ID: <3B8DC3FA.7DDA753B@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

53.13 degrees - close enough!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Mike Yetzko wrote:

> But, if you were to measure a direct line from you
> to him, it would a length of 5 yards. So, he's 5 yards
> at an ANGLE of arcsine(4/5) or (Oh oh, I'm REALLY
> rusty here, am I correct when I say...) 60 degrees?
> (See what happens when you have a calculator that
> does the rect/polar conversion automatically for you?)

Date: Wed, 29 Aug 2001 22:53:05 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Steve Yates <aa5tb@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106063] Re: HF Bands again bad
Message-ID: <Pine.SUN.4.10.10108292243090.29298-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 29 Aug 2001, Steve Yates wrote:

> Short-term blackout conditions are very common during the middle of the
> day near sunspot cycle peaks, especially below 10 MHz. Luckily, these
> are normally short lived events since they are typically caused by
> D-layer absorbtion that dissipates quickly after the source of the
> disturbance (EM radiation from a solar flare) stops.

Excellent description, Steve.

The active region that caused saturday's X5 flare is now smack in the middle of the sun, and produced several C and M class flares today. While not particularly large flares, their position at the sun's center means the earth is getting a direct hit from every flare. The solar radiation released ionizes the D-layer, as Steve mentioned, which causes higher than normal (if not blackout) conditions on the lower frequencies. We can expect similar conditions for the next 2-3 days.

> While working as a shore station HF operator for ship-to-shore

> communications I experienced these short-term blackout conditions very
> often.

What shore station did you work at? I learned my CW for my novice exam (back in '63) from copying the weather and AP news on WCC, KPH, KFI, WNU, etc. Gosh I miss those stations!

VVV VVV DE WCC WCC QRU? PSE QSX 6 8 11 MCS X TFC LIST FOLLOWS DE WCC

(MCS was before that dumb MHZ thing for you younger fellas!)

72, Paul NA5N

Date: Thu, 30 Aug 2001 00:10:27 -0500
From: "George, W5YR" <w5yr@att.net>
To: "qrp-1@Lehigh.edu" <qrp-1@Lehigh.edu>
Subject: [106064] Ooops!
Message-ID: <3B8DCAC3.4A6622D4@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just read my file copy of the post I just sent out re complex numbers and discovered a brain-phart of major proportions.

In the following paragraph,

"In using them, just remember that "j" is defined as the square root of -1 and can be used like any "real" number. For example, j^2 (j squared) is just -1 times -1 or +1. Etc."

The last sentence is WRONG! - Sorry about that . . .

The truth is that j^2 is -1 as anyone with any background in this stuff knows by heart. The problem is that I left off the square root notation in the typing and then got the wrong answer for myself.

Hope no one got too confused over this - I am truly sorry as I try my best to put out correct material in these postings.

I turn 72 next week and enter my 56th year in amateur radio tomorrow - actually today as I write this - so I am beginning to wonder if old age is finally beginning to show up a little! <:}

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Date: Wed, 29 Aug 2001 22:43:30 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106065] Re: HF Bands again bad (NOT)
Message-ID: <20010829224330.A10517@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Wed, Aug 29, 2001 at 11:50:44AM -0600, Karl F. Larsen wrote:

>
> Please have a look at this web page:
>
> <http://www.sec.noaa.gov/ftpdir/indices/events/events.txt>
>
> This page on a good day is almost empty. At noon MDT or 1600Z it's 2 pages
> and growing. Numerous middle to small flares and X-ray events. I tried to
> use 40 meters just now and it's hard to get 200 miles with QRO power!
>
> I have a schedule at 9pm MDT on 10.111 MHz that I will keep but
> the sun is sure not helping at all!

I got on 20 cw around 0330Z, worked LZ1QI on the first call with my
wire antenna and got a 599, so things seem to have recovered. It was a
new QRP country (#73) for me, as well.

72, Bob

--
Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S
nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Wed, 29 Aug 2001 22:54:44 -0700
From: Beth Gardner / Dan Maguire <BethDan@pacbell.net>
To: qrp-l@Lehigh.EDU
Subject: [106066] RE: Math Theory Help - Calculator
Message-ID: <3B8DD524.3650@pacbell.net>

MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

All this talk about impedance and complex numbers reminded me that a few years ago I wrote a BASIC program to do the math. Program Zmath does conversions and math functions on impedance values. (Also works on complex numbers in general, remembering that $A+Bi$ is equivalent to $R+jX$.) Data may be entered in any of five forms:

1. Series form R and X ;
2. Z magnitude and angle;
3. Parallel R_p and X_p ;
4. Capacitance (pF) and frequency (MHz);
5. Inductance (uH) and frequency (MHz).

Functions include add, subtract, multiply, divide, square, square root, combine in parallel, remove in parallel, plus store/recall memory. Results are displayed in all forms. Results are chained like a pocket calculator, in that the result from a previous action is used as the starting value for the next action. So <just being silly here> you could add "10+j20 ohms" and "50 ohms at -45 degrees", multiply the result by "200 pF at 10 MHz", and then see what the answer is in R_p, X_p format. (Mucho extra credit if you can do this in your head! <g>)

The program will run under Qbasic, GWBASIC, or BASICA. (Is there a soul left who still uses BASICA?!) You input the two components of an entry by separating them with a comma, which is a common way of entering multiple numbers at one time in a BASIC program. Key F10 is used to toggle between the various entry formats.

Zmath is available at

<http://www.qsl.net/ac6la/zmath.bas>

There is no link to this from the home page, you have to go directly to this url. When you get there, depending on your browser, select File and then Save As or Save Link As or whatever. You could also try right-clicking on the url in this post and then choose Save Link As or words to that effect. In any case, transfer file 'zmath.bas' to your hard disk and then run it like any other BASIC program.

It's pretty clunky looking by today's standards, but it gets the job done!

73,

Dan AC6LA

Home page: <http://www.qsl.net/ac6la/>

Date: Thu, 30 Aug 2001 05:07:22 -0400
From: Anthony Catalano <acatalan@pipeline.com>
To: sslyon@megalink.net, qrp-l@Lehigh.EDU,
"Kevin F. Glynn" <kfglynn@mindspring.com>
Subject: [106067] WW2W - Kite Brookly QRP Club
Message-ID: <3B8E024A.1030401@pipeline.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi Seab, I purchased a lite at Atlanticon. I have a few questions.
I will be putting it together this Labor Day Weekend hopefully.
Do you have any tips for flying it solo if possible?
Have you ever considered using those reasonably-priced nylon re-enforced
blue tarps that are readily available to the single purchaser who cant
get a group/bulk purchase of TYVEX going?
Is that center strut required for flight? Can you tell me what type of
antennas you have personally flown? Can you make more detailed photos
available? Do you have a site other than the one on NJQRP? I would visit
whichever one that you tell me is kept the most up-to-date.
I purchased string of the proper test [sorry.. buried in a storage box
out of reach] but it looks much thinner than the line I recall that you
were using that world-renown day of the kite anchored to the catapillar
tractor during the [99/00?? time flies] Atlanticon event. What
type/test line were you using at that time?
Seab, you may or may not already have this site.
<http://www.wireservices.com/n9zrt/events/marconi/kitefaq.html>
BTW Bay Ridge is not that many as-the-crow-flies miles away from KIA
airport so we may have to be carefull regarding antenna height here in
Bay Ridge Brooklyn. I don't think I will paint my callsign on it any
time soon!! Hmmm... maybe I'll bring Kevin along and Paint "N2T0 control
op" on it first.
Sincerely,
Tony Catalano WW2W
<http://www.qsl.net/bklynqrp>

Date: Thu, 30 Aug 2001 13:15:14 +0200
From: DK3RED@t-online.de (Ingo DK3RED)
To: spiritof66@worldnet.att.net, QRP-L <qrp-l@lehigh.edu>
Subject: [106068] Re: QRP-L digest 2296
Message-ID: <3B8E2042.A50754A7@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hello Harald,

> ----- Original Message -----

> From: <qrp-l@Lehigh.EDU>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Sent: Wednesday, August 29, 2001 7:23 PM

> Subject: QRP-L digest 2296

>

> > QRP-L Digest 2296

<snip>

</snip>

If I looking for a Digest, so I will subscribe myself to the digest and not download 133 KB (!) from my mail box. ;o((

--

72/73 de Ingo, DK3RED (Don't forget: the fun is the power !)

eMail: dk3red@qsl.net - homepage: www.qsl.net/dk3red

Date: Thu, 30 Aug 2001 05:16:47 -0700 (PDT)

From: Steve Yates <aa5tb@yahoo.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [106069] Re: HF Bands again bad

Message-ID: <20010830121647.53464.qmail@web14610.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

--- "Paul Harden, NA5N" <na5n@rt66.com> wrote:

>

> What shore station did you work at? I learned my CW for my novice
> exam (back in '63) from copying the weather and AP news on WCC, KPH,
> KFI, WNU, etc. Gosh I miss those stations!

>

> 72, Paul NA5N

>

Thanks Paul,

Unfortunately, I didn't work for a CW station although I would of liked to. The station was WFE in Houston and it belonged to Western Geophysical (now Baker Hughes). It was used to keep in touch with our fleet of about 40 ships worldwide on HF. All of the traffic was USB

and I typically made about 30 phone patches a day. A large number of our ships were in the Gulf of Mexico so the most used frequencies were 6521.9 kHz by day and 4125 kHz by night although we had at least one allocation in all of the marine bands.

At any one time I monitored at least four frequencies at once and during low traffic times I would tune from 10 kHz to 30 MHz on one of our McKay Dymek receivers and explore the bands. Man, that was a fun job. I was an operator/tech there from about 1981 through 1984. We had quite an antenna farm on top of the corporate office at that time, even a full size Telex 3-element Yagi for 6 MHz.

=====

Steve Yates

Call: AA5TB

E-Mail: aa5tb@arrl.net

Location: Fort Worth, TX - Grid EM12gs

Web Page: <http://www.geocities.com/aa5tb>

Do You Yahoo!?

Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
<http://im.yahoo.com>

Date: Thu, 30 Aug 2001 08:23:41 -0400

From: "Mike Yettsko" <myetsko@insydesw.com>

To: <ae5x@qsl.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [106070] Re: Bear photos

Message-ID: <00ac01c1314e\$9e157120\$6b01a8c0@INSYDENT>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Having grown up in backwoods PA (OK ok, I'm not REALLY a ridgerunner, but I sure ain't a flatlander!) right next door to a county that had more bear than people, I can understand the concern over bears. Too many people think they are 'cute'.

DON'T FEED THE BEARS!! That ain't Yogi out there. You feed them,

they come back, they expect it.

They are dangerous creatures! They can be dangerous to you!

Personally, I just won't go camping without a 357 except at the Boy Scout camp. And there, it's an issue with the rules. (I used to run the shotgun range there, and I've seen fresh bear tracks on my morning range-walk)

Mike

----- Original Message -----

From: John Harper AE5X <ae5x@qsl.net>

> Several folks have emailed me to ask if I was joking about there being
black
> bears in NJ. Before moving here a year ago, I never would have
associated NJ
> with them either but bear sightings are an almost-weekly occurrence for
us,
> except during winter.
>
> Here is a page of photos of bears in our yard beginning Sept 2000:
> <http://www.qsl.net/ae5x/bears.html>
>
> <http://www.state.nj.us/dep/fgw/news/bearn992.htm>
>
> I'm starting to get edgy about camping around here!
>
> John Harper AE5X
> Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Thu, 30 Aug 2001 06:35:14 -0600 (MDT)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Rob Matherly <kc0bom@arrl.net>

Cc: <k5di@zianet.com>,

Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [106071] Re: Math Theory Help

Message-ID: <Pine.LNX.4.33.0108300630430.1266-100000@localhost.localdomain>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Polar coordinates are easy on paper or at a blackboard. E-mail doesn't lend it's self to even simple pictures.

So Rob what books do you have with basic radio stuff in them? I have the ARRL Handbook 1996 and some older stuff.

We need to find a common book that we can talk from. The ARRL Handbook is fine as it has many polar pictures.

On Wed, 29 Aug 2001, Rob Matherly wrote:

> Ah, you've just helped me a bunch with my Extra theory! Anyone care to
> explain polar coordinates?
>
> 72/73
> Rob, kc0bom
>
> ----- Original Message -----
>
> Brad, Just think "Simple". 41 +j42 means just that the impedance seen at
> the input to your feed line is a 41 ohm resistor in series with a 42 ohm
> inductor. Had the number been 41 -j42 then it would have been a 42 ohm
> capacitor.
>
> Now the 42 ohms means this is the impedance of the capacitor at the
> frequency it was measured at. If you want to know the value of the
> capacitor, you use $c = 1/\text{frequency} \times 2 \text{ pie} \times 42$.
>
> The 41 is just a resistor of 41 ohms.
>
>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 30 Aug 2001 07:34:15 -0500 (CDT)
From: timcook@erinet.com
To: qrp-l@lehigh.edu
Subject: [106072] Trade HW-8 for Antenna tuner

Message-ID: <200108301234.HAA06691@nm0.nwbl.wi.voyager.net>
Content-Type: text/plain
Content-Disposition: inline
Content-Transfer-Encoding: binary
Mime-Version: 1.0

I have a good working HW-8 that I would like to trade for a 160-10 meter 100 watt antenna tuner with at least swr metering and a built in balun. Not particular of the make or manufacturer, just need a tuner to leave at the summer camp.

The HW-8 has a couple of mods, a built in calibrator, and dial lights. Both activated by front panel push switches. Also has s-meter mod if I remember correctly. power output works as normal and works as s-meter on rec. I have the manual for it also.

Please email if interested..
Thanks
Tim
NZ8J

Date: Thu, 30 Aug 2001 08:50:23 -0400
From: John <jmeade@telebyteusa.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [106073] Whiterook MK-44 Paddle Spacing Modification
Message-ID: <211812926A10D4119B3200902734A6402CD7F5@EXCH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The dot contact spacing on my Whiterook MK-44 paddle was different from the dash contact spacing. The dot side was much too close but the dash side was OK. I noticed that there were differently-sized washers underneath the dot and dash contact screw heads. I removed the washer under the dot contact screw and replaced it with a slightly thinner washer from my junk box. Now the dot and dash spacings are about the same, and the paddle is much more enjoyable to use.

72,

John Meade W2XS

jmeade@telebytebroadband.com

Date: Thu, 30 Aug 2001 08:53:26 -0400
From: John <jmeade@telebyteusa.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [106074] Argosy Accessories Wanted
Message-ID: <211812926A10D4119B3200902734A6402CD7F6@EXCH>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Does anyone have any of the following Ten-Tec Argosy accessories that they
wouldn't
mind parting with:

217 - 500Hz filter
220 - 2.4kHz filter
222 - Mobile Mount
223 - Noise Blanker
224 - Audio Filter
1125 - DC Circuit breaker with mobile cable
1126 - Amp Switch

Please let me know the price and condition. Thank you.

72,

John Meade W2XS

jmeade@telebytebroadband.com

Date: Thu, 30 Aug 2001 13:43:56 +0100
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jonal.net, qrp-1@Lehigh.EDU
Subject: [106075] results NEQRP SSB NET Tuesday night
Message-ID: <0F41878247.7F8B799C-ON85256AA9.0047418E@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Great band conditions, all were 59+ with great audio:

AB8DF	ED	Waterford, MI	Triton IV
K1CWZ	SPI	Nashua, NH	Drake TR7 40' dipole

W2APF	Thaire	N. Easton, MA	K2@5W	44' doublet
N1XTK	Keith	Tolland, CT	FT-817	G5RV
K2Q0	Mark	Clarence, NY	FT817	40' loop
KE1LA	Joel	Strong, ME		
KC1FB	Jim	Norwalk, CT	QRP+	

Was a great net and I really enjoyed the chance to talk to all!

Joel stayed on a few more minutes while I checked out my new FT-817.
Seems to work FB.

Ron - N1ZSW net control

PS - I had no takers for the 9:30 chat, I was on 7.286 because of the activity.

Date: Thu, 30 Aug 2001 09:18:28 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-l@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org,
n9avg@amsat.org
Subject: [106076] [CONTEST]QRP Contest Calendar - Sept 2001
Message-ID: <3.0.6.32.20010830091828.008c2740@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

September 2001

~~~~~  
All Asian DX Contest (SSB)

Sep 01 - 0000z to Sep 02 - 2400z

Rules:

http://www.jar1.or.jp/English/4_Library/A-4-3_Contests/AA_Rule.htm

~~~~~  
IARU Region 1 Fieldday (SSB) ... QRP Category

Sep 01 - 1300z to Sep 02 - 1300z

Rules: <http://www.sk3bg.se/contest/iarur1fd.htm>  
~~~~~

AGCW Straight Key Party (CW - 40 Meters) ... QRP Category

Sep 1 - 1300z to 1600z

Rules: <http://www.agcw.de/>
~~~~~

Michigan QRP Labor Day Sprint (CW) \*\*\* QRP CONTEST! \*\*\*

Sep 03 - 2300z to Sep 04 - 0300z

Rules: <http://www.qsl.net/miqrclub/rules01.htm>  
~~~~~

Adventure Radio Spartan Sprint (CW) *** QRP CONTEST! ***

Sep 04 - 0100z to 0300z (Monday Evening in US/Canada)

Rules:
http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html
~~~~~

Worked All Europe DX Contest (SSB)

Sep 08 - 0000z to Sep 09 - 2400z

Rules: <http://www.sk3bg.se/contest/waedxc.htm>  
~~~~~

ARRL September VHF QSO Party (All)

Sep 08 - 1800z to Sep 10 - 0300z

Rules: <http://www.arrl.org/contests/announcements/rules-09vhf.html>

~~~~~

?

Second Class Operator Club Marathon (CW) \*\*\* QRP Contest \*\*\*

Sep 08 - 1800z to 2400z

Rules: <http://diz.faiweb.com/soc/>

~~~~~

NA Sprint (CW)

Sep 09 - 0000z to 0400z

Rules:

<http://www.ncjweb.com/index.php3?leftcol=contestmenu&rightcol=sprintrules1>

~~~~~

End of Summer PSK-31 Sprint \*\*\* QRP Contest \*\*\*

Sep 09 - 2000z to 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/psk31.htm>

~~~~~

Washington State Salmon Run (CW/SSB) ... QRP Category

Sep 15 - 1600z to Sep 16 - 0700z

Sep 16 - 1600z to Sep 16 - 2400z

Rules: <http://www.wwdxc.org/salmonrun/rules.htm>

~~~~~

Scandinavian Activity Contest (CW) ... QRP Category

Sep 15 - 1200z to Sep 16 - 1200z

Rules: <http://www.sk3bg.se/contest/sacnsc.htm>

~~~~~

QRP Afield (CW/SSB/Digital) *** QRP Contest ***

Sep 15 - 1700z to Sep 16 - 1700z (Any 8 hours)

Rules: <http://www.qsl.net/wq1rp>

~~~~~  
NA Sprint (SSB)

Sep 16 - 0000z to 0400z

Rules:  
<http://www.ncjweb.com/index.php3?leftcol=contestmenu&rightcol=sprintrules1>

~~~~~  
Tennessee QSO Party

Sep 16 - 1800z to Sep 17 - 0100z

Rules: <http://www.k4ro.net/tcg/tqp/tqp99fin.html#rules>

~~~~~  
Scandinavian Activity Contest (SSB) ... QRP Category

Sep 22 - 1200z to Sep 23 - 1200z

Rules: <http://www.sk3bg.se/contest/sacnsc.htm>

~~~~~  
Fall QRP Homebrewer Sprint (CW/PSK31) ***QRP CONTEST***

Sep 24 - 0000z to 0400z (Sunday evening in US/Canada)

Rules: <http://www.njqrp.org/data/qrphomebrewersprint.html>

~~~~~  
CQWW RTTY DX Contest ... QRP QRM

Sep 29 - 0000z to Sep 30 - 2400z

Rules: <http://www.rttyjournal.com/rules/cqww.html>  
~~~~~

QRP ARCI Fall QSO Party (CW) *** QRP Contest ***

Sep 29 - 1200z to Sep 30 - 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/fall.htm>

~~~~~

Texas QSO Party (All) ... QRP Category

Sep 29 - 1400z to Sep 30 - 0200z

Sep 30 - 1400z to Sep 30 - 2000z

Rules: <http://www.k5vuu.com/tqp/>

~~~~~

Louisiana QSO Party (CW/PH) ... QRP Category

Sep 29 - 1400z to Sep 30 - 0200z

Sep 30 - 1400z to Sep 30 - 2000z

Rules: <http://www.tchams.org/users/contest/laqp/>

~~~~~

Alabama Heart of Dixie QSO Party (CW/SSB) ... QRP Category

Sept 29 - 1800z to 2400z

Rules: <http://web.dbtech.net/~dxcc/rules1.htm>

~~~~~

Thanks to LA9HW, SM3CER, WA7BNM, ARRL and others
for assistance in compiling this calendar.

Anyone may use this "QRP Contest Calendar" for your website, newsletter,
e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

<http://www.NJQRP.org>

<http://www.N3EPA.org>

<http://www.qsl.net/cqrp/contests.html>

Date: Thu, 30 Aug 2001 10:15:24 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [106077] QRP AFIELD?
Message-ID: <171.a6b9b.28bfa47c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

How many in the group are planning (thinking about) the QRP AFIELD coming up?

QRP Afield (CW/SSB/Digital) *** QRP Contest ***

Sep 15 - 1700z to Sep 16 - 1700z (Any 8 hours)

Rules: <http://www.qsl.net/wq1rp>

I sort of look at these as operating events not contests--for me the competition takes the fun out of it. I will be looking at working as many states and provinces rather than numbers. Yup--going for quality not quantity

I will be running QRP+ and my ladder farm. The 28ft extension ladder with rotatable dipole (home brew) and inverted vee and 34.5 ft vertical. Hope to hear from you

Alan KB7MBI in Woodinville, WA

Date: Thu, 30 Aug 2001 11:03:16 -0400
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [106078] W.A.S. mw chase
Message-ID: <002201c13164\$e5c26ee0\$fc704342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "George Osier" <gosier@twcnny.rr.com>
To: <qrpp@yahooogroups.com>
Subject: MW W.A.S. chase
Date: Thursday, August 30, 2001 11:02 AM

Hello All !!!!

Right now at 25 worked , 20 conf. toward mw W.A.S. !!!! , Waiting for Sweeps to get the total wayyyyyyyyy up !!! Did some new ones in the NA QRP PARTY

Great fun !!!!!!!!!!!

73s

George , N2JNZ / QRPp

Date: Thu, 30 Aug 2001 09:06:40 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@neale.gpfn.sk.ca, qrp-1@lehigh.edu
Subject: [106079] W9GFZ Going on the Air Again
Message-ID: <Pine.SUN.4.10.10108300905250.285-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
Thought a few of you might be interested in this special event station operation coming up on Sept. 15-16.

72, Paul NA5N
National Radio Astronomy Observatory (NRAO)
Socorro, New Mexico

----- Forwarded message -----
From: Dave Finley <dfinley@aoc.nrao.edu>
Subject: W9GFZ Going on the Air Again

National Radio Astronomy Observatory
Amateur Radio Club
W9GFZ

Contact: Dave Finley, N1IRZ
(505) 835-7302
dfinley@nrao.edu

Observatory's Hams to Use Historical Replica Antenna

The National Radio Astronomy Observatory (NRAO) Amateur Radio Club

will operate special event station W9GFZ from Green Bank, West Virginia, using a full-scale replica of the antenna with which Karl Jansky first detected radio emission from beyond the Earth in 1932. The station will operate September 15 and 16, on 21.320 MHz, plus or minus QRM.

The Jansky replica antenna is an historical display on the NRAO grounds at Green Bank, where the Observatory is commissioning the Robert C. Byrd Green Bank Telescope, the world's largest fully-steerable antenna.

In 1928, Karl Jansky was hired by Bell Telephone Laboratories and given the task of locating sources of interference to shortwave radio links carrying transatlantic telephone conversations. He built a highly-directional, rotatable antenna called a Bruce array, and began analyzing noise sources at 20.5 MHz. He identified shortwave noise coming from both nearby and distant thunderstorms, as well as a faint, steady hiss. By 1932, he identified this faint hiss as coming from the center of our own Milky Way Galaxy.

Jansky's discovery was reported on page one of the New York Times on May 5, 1933. The discovery of radio emission from the cosmos excited Grote Reber, W9GFZ, a radio engineer in Wheaton, IL. Reber built the first dedicated radio-astronomy antenna, a 31.4-foot-diameter parabolic dish, in his Wheaton back yard in 1937. His callsign now is held by the NRAO Amateur Radio Club.

The NRAO replica of Jansky's antenna is a working Bruce array that can be operated efficiently on the amateur 15-meter band. NRAO hams have used it several times in the past, but it has not been put on the air in a number of years.

The special event station will operate on Sept. 15 from approximately 1300 UTC for as long as propagation lasts. Operation will resume at the same time Sept. 16 and continue until approximately 1600 UTC.

For a QSL, send your QSL and a self-addressed, stamped envelope to W9GFZ's callbook address: NRAO Amateur Radio Club, National Radio Astronomy Observatory, P.O. Box 0, Socorro, NM 87801.

###

Date: Thu, 30 Aug 2001 11:11:08 -0400
From: ed miller <millered@magnet.fsu.edu>
To: qrp-1@Lehigh.EDU
Subject: [106080] Re: Bear photos
Message-ID: <4.3.2.7.2.20010830110838.00b6c920@magnet.fsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

<Personally, I just won't go camping without a 357 except at the Boy Scout camp. And there, it's an issue with the rules.>

An alternative is to go with someone you can easily outrun.

Date: Thu, 30 Aug 2001 09:21:18 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <ARDUJENSKI@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106081] Re: QRP AFIELD?
Message-ID: <Pine.LNX.4.33.0108300918430.1847-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I will be on a backpack trip in the Gila Wilderness Area. We will have a yaseu 817 with us and may give a few guys a point from Catron County NM population 2,800.

On Thu, 30 Aug 2001 ARDUJENSKI@aol.com wrote:

> How many in the group are planning (thinking about) the QRP AFIELD coming up?
>
> QRP Afield (CW/SSB/Digital) *** QRP Contest ***
>
> Sep 15 - 1700z to Sep 16 - 1700z (Any 8 hours)
>
> Rules: <http://www.qsl.net/wq1rp>
>
> I sort of look at these as operating events not contests--for me the
> competition takes the fun out of it. I will be looking at working as many
> states and provinces rather than numbers. Yup--going for quality not quantity
>
> I will be running QRP+ and my ladder farm. The 28ft extension ladder with
> rotatable dipole (home brew) and inverted vee and 34.5 ft vertical. Hope to
> hear from you
>

> Alan KB7MBI in Woodinville, WA
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 30 Aug 2001 11:37:12 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <millered@magnet.fsu.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106082] Re: Bear photos
Message-ID: <013b01c13169\$ac759a40\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> <Personally, I just won't go camping without a 357 except at the Boy
> Scout camp. And there, it's an issue with the rules.>

>

> An alternative is to go with someone you can easily outrun.

Like that beer commercial?

Date: Thu, 30 Aug 2001 10:52:59 -0500
From: "Jim" <sunwatt@starband.net>
To: <qrpp@yahoogroups.com>
Cc: "QRP-L" <qrp-L@Lehigh.edu>
Subject: [106083] Re: [qrpp] MW W.A.S. chase
Message-ID: <005b01c1316b\$ddeb3e2e0\$d25a3f94@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Milliwatt Worked All States allot of fun for sure. It can be done in one weekend if we get several of the rare states on the air. If they have good

ears you can start at 10, 20, & then 50mW. If you can get all the rare ones with under 50mW, how about trying 50mW WAS?

The options are endless.

Remember 1999 (I think it was 1999) when I worked all states with total combined power of less than 1 watt? That was the most fun I ever had in this hobby.

Divide 50 by 1000mW and its .05w or 50mW. So you have to work a few states with under 50mW to get under 1 watt for all 50.

Design your own goals in the hobby. It doesn't matter if there isn't any existing wall paper for the goal you set.

Personal challenges are just as valid to you. And thats the only one you really need to please. Just keep on shareing the fun with us!

72's

de Jim KJ5TF

"All Milliowatts, All The Time"

----- Original Message -----

From: "George Osier" <gosier@twcnny.rr.com>

To: <qrp@yahoogroups.com>

Sent: Thursday, August 30, 2001 10:02 AM

Subject: [qrp] MW W.A.S. chase

>

> Hello All !!!!

>

> Right now at 25 worked , 20 conf. toward mw W.A.S. !!!! , Waiting for Sweeps

> to get the total wayyyyyyyyy up !!! Did some new ones in the NA QRP PARTY

>

> Great fun !!!!!!!!!!!

>

>

> 73s

> George , N2JNZ / QRPp

>

>

> ----- Yahoo! Groups Sponsor ----->

> FREE COLLEGE MONEY

> CLICK HERE to search

> 600,000 scholarships!

> <http://us.click.yahoo.com/zoU8wD/4m7CAA/ySSFAA/ELTo1B/TM>

> -----~>
>
> To unsubscribe from this group, send an email to:
> qrpp-unsubscribe@egroups.com
>
>
>
> Your use of Yahoo! Groups is subject to <http://docs.yahoo.com/info/terms/>
>
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.265 / Virus Database: 137 - Release Date: 7/18/2001

Date: Thu, 30 Aug 2001 12:23:27 -0400
From: "Brian" <brian@iquest.net>
To: "pigs" <fpqrp-l@mpna.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [106084] New Issue of Bacon Bits is NOW ONLINE!!
Message-ID: <000901c13170\$1a9ed6c0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes indeedy, the world famous, but free of charge, monthly newsletter from
the Flying Pigs QRP Club International is now ONLINE.

See it now at: <http://www.fpqrp.com>

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Thu, 30 Aug 2001 11:25:01 -0500
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106085] Re: Math Theory Help
Message-ID: <002d01c13170\$532f6e00\$a711a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, the only books I have are my General Theory, my Extra Theory, some book called the "Electrical and Radio Dictionary" by Dunlap and Haan, produced by the American Technical Society in 1952. Not a lot of pictures, but neat reference :-)

And sad to say, I don't have an ARRL Handbook... :-(

72/73
Rob, kc0bom

----- Original Message -----

Polar coordinates are easy on paper or at a blackboard. E-mail doesn't lend it's self to even simple pictures.

So Rob what books do you have with basic radio stuff in them? I have the ARRL Handbook 1996 and some older stuff.

We need to find a common book that we can talk from. The ARRL Handbook is fine as it has many polar pictures.

Date: Thu, 30 Aug 2001 12:49:11 -0400
From: "Tom Curtola" <tcurtola@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106086] Random Wire Antenna Corrosion
Message-ID: <001a01c13173\$b22edbe0\$0f316618@yec1.on.wave.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just removed one of the random wire antennas that I no longer need. I made the remark that there was a lot of corrosion on it. My roommate asked if that would make a difference in receiving. (He's a non-ham) I said no I wouldn't think so, then I got to thinking. If the wire was solid then I would suspect no. However, a stranded wire antenna; might it not exhibit some sort of reaction with the copper rust in-between the strands. Maybe even acting like tiny diodes or tiny capacitors? Could signals being received not heterodyne in-between these junctions? I told him it was a good question and that I would post it for the experts to decide.

Curious,

Tom
VA3TY

Date: Thu, 30 Aug 2001 13:15:41 EDT
From: ARDUJENSKI@aol.com
To: nwq-1@scn.org, qrp-1@lehigh.edu
Subject: [106087] QRP AFIELD--Coffee Prize!!!
Message-ID: <79.1a4a8294.28bfcebd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For a little incentive (smile) all those stations who contact me during the QRP AFIELD contest will be entered into the drawing for a pound of Victor' Coffee. This is roasted on sight in Redmond, WA in a little coffee house. You will be entered for each contact with me (one per band). That is 47.75N and 122.03W for you beamers (smile)

<http://www.victorscoffee.com/>

This is goooooood coffee--just like with vertical antennas you need GOOD GROUNDS (smile). This stuff makes Starbucks seem like the cheap 5 pound can stuff your grandma used to buy

Alan KB7MBI in Woodinville, WA

Date: Thu, 30 Aug 2001 10:37:48 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>

Subject: [106088] Contest: QRPDUPE New Version
Message-ID: <3B8E79EC.C1992F0E@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

The latest version (4.5 August 30 01) has been uploaded to my web site at:
<http://www.dancris.com/~bkassel/index.htm#top>

This version includes the upcoming NEQRP QRP Afield contest. No new features have been added, just this contest has been added. As usual PLEASE test it out as early as possible so that any problems may be corrected well before the contest.

Just in case you are not aware of the QRPDUPE program, here is a brief summary taken from the WEB page:

Introduction:

This program was developed with just one goal in mind: To provide a very inexpensive contest logging application that is simple to use, and requires no configuration other than typing in your call sign, name etc. Updates will be available for each of the QRP contests, as well as many of the more popular contests that include a QRP category.

Cw send capabilities that use a simple serial port interface and synched to the operation of this program are now included. Thanks to Brian AE9K for this feature.

Minimum system requirements for the CW send feature are: 486-66 or better. The logging portion will run satisfactorily on a 386-20, and perhaps a bit less. Windows 3.1 or above is also required.

This FREE BETA Version program is intended to allow prospective contest operators to enter the world of QRP contest operating with a minimal learning curve.

Brian K7RE

Date: Thu, 30 Aug 2001 13:41:12 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-1@lehigh.edu
Subject: [106089] OT- Bars
Message-ID: <5.0.2.1.0.20010830131044.00acbaa0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

OK this is really off topic but you folks started it!!I HI!
I work on the Ky River and pilot a paddlewheel boat. We have guest geologists, historians, bird types, and the great folks from Ky Fish and Wildlife Resources as speakers.
It turns out that these bears move around a LOT! The tagging and computer systems allow them to trace the bears.
According to one of the biologists, they picked up a bear in Tennessee who liked to bust up outdoor gatherings (like wedding receptions) and walk off with the cake and ice cream. They took the bear out in the boonies and let him (or her) go and the bear shows up in an eastern state (same scenario) and they checked tags and let it go again. The next time the bear was picked up in Indiana as an unwelcome guest at an outdoor gathering.
All this happened in 3 months!

OK back to 817s , hole punches and atomic clocks. I wish Monty Stark would tell some more skunk stories!
73 to all
Pete NV4V Ky

Date: Thu, 30 Aug 2001 15:04:21 -0400
From: Dave Fouchey <dafouchey@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106090] Re: Bear photos
Message-ID: <4.1.20010830150011.0098ef00@localhost>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Interesting bit of Bear Trivia, while Grizzly's have the reputation of being more dangerous than Black Bears, they don't feed on humans, they kill in defense of their territory. black bears while NORMALLY less aggressive are know to prey on humans occasionally NOTE: that is Occasionally. They

will actually stalk and kill humans for food but it is not the norm. So next time you think about that "cute" Black Bear just remember he may be looking at you with dinner in mind.

Happy Hiking!

72

Dave WA4EMR/8

At 08:23 AM 8/30/2001 -0400, Mike Yetsko wrote:

>Having grown up in backwoods PA (OK ok, I'm not REALLY a
>ridgerunner, but I sure ain't a flatlander!) right next door to a county
>that had more bear than people, I can understand the concern over
>bears. Too many people think they are 'cute'.

>

>DON'T FEED THE BEARS!! That ain't Yogi out there. You feed them,
>they come back, they expect it.

>

>They are dangerous creatures! They can be dangerous to you!

>

>Personally, I just won't go camping without a 357 except at the Boy
>Scout camp. And there, it's an issue with the rules. (I used to run
>the shotgun range there, and I've seen fresh bear tracks on my
>morning range-walk)

>

>Mike

>

>

>

>----- Original Message -----

>From: John Harper AE5X <ae5x@qsl.net>

>

>

>> Several folks have emailed me to ask if I was joking about there being
>black

>> bears in NJ. Before moving here a year ago, I never would have
>associated NJ

>> with them either but bear sightings are an almost-weekly occurrence for
>us,

>> except during winter.

>>

>> Here is a page of photos of bears in our yard beginning Sept 2000:

>> <http://www.qsl.net/ae5x/bears.html>

>>

>> <http://www.state.nj.us/dep/fgw/news/bearn992.htm>

>>

>> I'm starting to get edgy about camping around here!
>>
>> John Harper AE5X
>> Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>
>

Date: Thu, 30 Aug 2001 15:47:05 -0400
From: "Tom Bowman" <tbowman@nbn.net>
To: "Jim Zengerle" <jjzeng@nbn.net>, "Harry Bump" <km3d@arrl.net>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [106091] NN1G QRP transceivers
Message-ID: <[000d01c1318c\\$8dca1c60\\$a3a87f3f@tombowma](mailto:000d01c1318c$8dca1c60$a3a87f3f@tombowma)>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

Been redesigning my web page.

Thanks to the QRP-L archives CD-ROM, I put together several pages about the NN1G series QRP rigs, now K1SWL.

Check here <http://www.wa3rey.com/NN1G.htm>
Tons of comments on the rig, mods, reviews, rants, raves, etc.

73,

Tom, WA3REY

Date: Thu, 30 Aug 2001 21:04:58 +0100
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu, qrpp@yahoo.com
Subject: [106092] Edging Closer DXCC
Message-ID: <5.0.2.1.0.20010830210134.00a0f6b0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

An envelope arrived from the buro today. Two more QRPP to bring that total to 48 confirmed. The new ones were the Canary Islands - EA8BH and Finland -

OH8L.

Then there were two new ones QRP to bring that total to 91. The new ones there were Wales and Croatia.

These envelopes seem to arrive in bunches so perhaps there will be more in tomorrows mail.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

Date: Wed, 29 Aug 2001 21:36:14 -0600 (MDT)
From: <muglesto@ecentral.com>
To: "Phil (VA3UX)" <phil@vaxxine.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106093] RE: Math Theory Help
Message-ID: <Pine.LNX.4.33.0108292131140.1492-1000000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I object - I've read the books, played with the numbers and always had questions my wife couldn't answer. I think the cat could but he isn't talking.

Most of us on this list probably have some background in math and those like me get to use very little of it in their every day life (sometimes I get to get into complex interest calculations but having no money they don't mean much to me).

So far I've relearned quite a bit and need to digest it and ask questions. This is just the place to ask them.

Also, some teachers are better than others. Heck, I had 3 years of Organic Chemistry under my belt and thought I understood what I was doing. Got a new roommate who was working on his masters in chemistry and he could explain things I never knew I didn't understand. I've seen the same thing on this list.

Anyway, different people learn different ways - I'm doing just fine here so lets don't slow down.

de KI00T, Brad

On Wed, 29 Aug 2001, Phil (VA3UX) wrote:

> At 08:12 PM 8/29/2001 -0500, you wrote:
> >Wow, great question. I was just thinking the other day about whether an
> >article on the subject would find any audience. It does seem that complex
> >math (that's its name, not a judgement of its difficulty)
>
>
> Good efforts from all the people replying on this subject but it definitely
> IS a little tough to learn (and teach it) via e-mail.
>
> Complex numbers and polar coordinates are well covered in Bill Orr's Radio
> Handbooks, and it used to be covered (probably still is) in the ARRL
> Handbook. If you don't have any of those, the subject is covered very well
> in Schaum's Outlines which are available from many book stores. It isn't
> hard to learn but having a book with some worked examples and a few
> exercises is really the way to go.
>
> Phil
>
>
>
>
>

--

Brad Mugleston, KI0OT
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

Date: Wed, 29 Aug 2001 21:29:58 -0600 (MDT)
From: <muglesto@ecentral.com>
To: Nick Kennedy <nkennedy@tcainternet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
bmug <bmug@gwl.com>
Subject: [106094] RE: Math Theory Help
Message-ID: <Pine.LNX.4.33.0108292126360.1492-1000000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow, I think I've got something going that's going to be a great thing (at least for me).

thanks Nick - you've got me up to pre-calculus - I loved math but that was sooo long ago.

Brad

On Wed, 29 Aug 2001, Nick Kennedy wrote:

> Wow, great question. I was just thinking the other day about whether an
> article on the subject would find any audience. It does seem that complex
> math (that's its name, not a judgement of its difficulty) could be a major
> obstacle to those not exposed to it in school. And it doesn't have to be
> that way--there are simple rules for doing math with these numbers and with
> just a little practice it can become second nature.

>
> In the bad old days, we manipulated these numbers with slide rules. Those
> slides were smokin'! Then came scientific calculators with trig functions,
> making it a bit easier. And these days, many calculators can handle
> complex numbers directly, just as they will hand you the square root of a
> negative number instead of saying "ERROR". An EXCEL spreadsheet can do
> these numbers too.

>
> OK. Complex numbers are used because an orthogonal number system is needed
> to represent both real and reactive components. Kinda like North, South,
> East and West.

>
> Some terms ...

>
> A real number is a number like 1, 2, 3.3333, -25 or PI

>
> An imaginary number is a number multiplied by the square root of -1,
> symbolized as "i" by math guys and as "j" by electrical guys. Example: i,
> -2i, 0.707j

>
> [BTW--"imaginary" is a whimsical term invented by mathematicians.
> Electrical quantities with "imaginary" coefficients are quite real. I've
> even heard some engineers say, "Why do we care about this power if it's
> imaginary?" But it's very real.]

>
> A complex number is the sum of a real and an imaginary number. Example 2
> -5j.

>
> When learning this system, it's quite helpful to diagram things out on
> graph paper, so you can see the next part. That being that there's two
> ways of representating these quantities: rectangular and polar form.

>
> The complex numbers we've shown so far are given in rectangular form.
> Taking your graph paper, set up two axes (lines at right angles to each
> other) in the middle of the page. From the intersection (origin) to the
> right is the positive real axis. To the left, negative real. Up is
> positive imaginary. Down, negative imaginary.

>
> Find that point 2 - 5j. Start from the origin, count 2 squares to the

> right and 5 down and make a dot. Draw a line from the origin to that
> point. The length of that line is the magnitude of that quantity. It's
> also equal to the square root of -5 squared plus 2 squared. Or $\text{SQRT}(29)$.
>
> Magnitude? Yes, in polar form, you represent the quantity with a magnitude
> and angle. You just figured the magnitude. For the angle, measure the
> angle that the line you drew makes with the positive real axis. By the
> way, positive angles go CCW from the real axis, so this one being CW of it
> will be negative. On your calculator or spreadsheet, you can calculate the
> angle as the inverse tangent of the imaginary component divided by the real
> component. Or $\text{TAN}^{-1}(-5/2)$, where that -1 after TAN is supposed to look
> like an exponent (superscript) but it really means inverse tangent or "the
> angle whose tangent is ...".
>
> Polar form is represented like this: $5.5/_{45}$ degrees. Where the $_$ is
> supposed to look like a little angle symbol and you use the degree symbol,
> of course, instead of spelling out degrees. You would read this in words
> as, "five point five at an angle of forty-five degrees".
>
> Whew! I'm gonna get lynched by people who hate long posts. Maybe this
> should be a multi-parter.
>
> Anyway, back before computers and calculators made things easy, you needed
> to be able to go back and forth between the two forms to simplify
> calculations. Addition and subtraction work best in rectangular form and
> multiplication and subtraction work best in polar form.
>
> Rules for adding and subtracting: Get quantities in rectangular form.
> Adding--add the real numbers and add the imaginary numbers. Subtracting,
> same deal except subtract like quantities. Harder to say than to do.
>
> So $(2+j5) + (5-j3) = 7-j2$
>
> And $(5-j3) - (7+j3) = -2-j6$
>
> For multiplication, use polar form and just multiply the magnitudes and
> add the angles.
> For division, divide the magnitudes and subtract the angle of the
> denominator from the angle of the numerator.
>
> So $(50/_{20}) * (10/_{43}) = 500/_{63}$
>
> and $(100/_{30}) / (2/_{70}) = 50/_{-40}$
>
> To take a reciprocal (one divided by the number), remember that any real
> number can be expressed as that number on an angle of 0 degrees,
>
> So $1 / (5/_{25}) = (1/_{0}) / (5/_{25}) = 0.2/_{-25}$

>
> Oh yeah, how would you convert polar form to rectangular? You need some
> trig, unless you wanna do it graphically. If you have a polar form complex
> number with magnitude A and angle THETA, then the real part is
>
> $\text{real} = A * \cos(\text{THETA})$ and the imaginary part is
>
> $\text{imag} = A * \sin(\text{THETA})$ (don't forget to add the 'j' part)
>
> If you haven't used trig before, don't let it scare you off. Those
> functions are available on your \$15 calculator. BTW--if your calculator is
> fancy and can compute in "radians" or "degrees", be sure to set it for
> degrees if that's what you are using.
>
> That's an introduction to how you manipulate 'em. And knowing those simple
> mechanics is a big part of the game. Oh yeah, be sure to always remember
> that j times j is equal to negative one.
>
> Example: $2j * 3j = -6$ (Hey, the product of two imaginary numnbers is a
> real number.)
>
> The reciprocal of j (meaning $1/j$) is equal to -j. (You can show that by
> multiplying numerator and denominator by j.)
>
> Now let's back up about 10 miles and ask where the heck all these complex
> numbers came from anyway. It's already been stated that the real part
> represents the real (resistive) part of a series form impedance and the
> imaginary number represents the reactive part. And reactances are negative
> if capacitive and positive if inductive. Also some terms--
>
> Resistance is always a real quantity.
>
> Reactance is always an imaginary quantity (pure inductive or capacitive)
>
> Impedance is the sum of the two, so it's a complex number. It's completely
> general, because either the real or imaginary part could be zero and reduce
> to a pure resistance or reactance ...
>
> But where was I? Analyzing circuits with sources other than DC and with
> inductors and capacitors instead of just resistors can get pretty hairy
> with the math. But the smart guys figured out some techniques for a branch
> of circuit analysis called steady-state AC analysis that simplifies it so
> we can use calculations quite similar to the Ohms' Law calcs we use on DC.
> But there are some rules--
>
> We're only dealing with sinusodial waveforms here, and at a fixed
> frequency. And this is steady state. Initial switching stuff isn't
> covered. Wait a few cycles for things to settle down. With those

> disclaimers stated and knowing the frequency, you can calculate the
> reactance of inductors and capacitors and then use these quantities and
> your knowledge of how to manipulate complex numbers to calculate currents
> and voltages just like you do with Ohms Law on DC.

>

> I might as introduce you to Jay Omega here. Omega is that symbol you see
> that looks like a lowercase script w. It is the radian frequency and is
> equal to the frequency in hertz times 2PI. So the radian frequency of 60
> hertz AC is 60 times 2 times 3.14 or 377. Sometimes you'll see the omega
> symbol, and sometimes you'll see 2(PI)F, and they are the same thing.

>

> Reactance of an inductor:

>

> $X_L = j2\pi fL$

>

> Example: At 100 hertz, a 2 henry inductors reactance is ...

>

> $X_L = j2 * 3.14 * 100 * 2$ or 628j ohms

>

> Reactance of a capacitor:

>

> $X_C = 1/(j2\pi fC)$

>

> You see that the 'j' is in the denominator, and as I said before, that
> results in a -j the numerator (the reciprocal of j being -j).

>

> OK, now you can take a circuit with resistance, inductance and capacitance
> values and convert the latter two to reactances. You can add 'em up in
> series, you can apply the parallel combination rule for reactances (or
> complex quantities) just like you do for resistors and so on.

>

> Forgot to mention a couple things. Since we deal with angles here--the
> source needs one too. Assuming there's but one source, you would make it
> the reference and call it's angle zero. So you you have a source of 120
> volts, you would call it 120/_0 or 120 volts at an angle of zero degrees.
> That way when you start calculating currents, their phase angles are with
> reference to the phase angle of the source.

>

> Also, pure reactances can be shown in polar form as their quantity at an
> angle of plus or minus 90 degrees. Remember we said the positive imaginary
> axis goes up and the angles increase in the positive direction CCW from the
> positive real axis so ...

>

> $2j = 2/_{90}$ and

>

> $-3j = 3/_{-90}$

>

> and also, resistances can be shown as their magnitude at an angle of zero

> degrees, so:
>
> 5 ohms = 5/_0
>
> OK--I've given you a year's worth of Circuits II without even any
> proofreading. And I'm sure it shows. I hope this and the other responses
> are of some use.
>
> 72--Nick, WA5BDU
> in Arkansas
>
> -----Original Message-----
> From: Mugleston, Brad [SMTP:brad.mugleston@gwl.com]
> to pass the
> exam.
>
> How about an Elmer thread - one that explains what is meant when you see
> the
> Z = XX +jYY.
>
>

--
Brad Mugleston, KI0OT
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

Date: Thu, 30 Aug 2001 17:48:37 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [106095] OT: Bear Stories
Message-ID: <200108302219.f7UMJ8X07615@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I woke up early one morning while camping way out in the back country of Yellowstone Nat Park to see a big old Griz walking away from my tent! Good thing we kept a clean camp, put my cloths out side the tent, hung our food a good 100 yds away, and for good measure, I marked my territory by peeing around the tent before going to bed! I'm sure he was sniffing around for a few minutes, which is why I woke up.

One summer I spent a whole month camping in the ADK's of NY. Those bears are real good at scoring campers food. But not mine, I had mine hung between two trees, way up in the air and away from the trunks. There were lots of other easy pickings around, so they left mine alone :-)

But one fall, we weren't so lucky at Chimney pond at the base of Mt Katadin in Maine. (what a great place that is!) Didn't have the food quite far out enough from the tree trunk and the bear was able to just reach it. The tree was just in front of the lean-to, and with our flash lights, had a good view. When he finally got a good grip on the food bag, that bear broke a 1/4" nylon rope with one swing! The next year, my buddy said the bear wasn't gonna get our food this time, he brought 100 ft of climbing rope. Well, the bear didn't get our food, but we snared a big old moose one morning after breakfast, as we had left the rope laying on the ground! Good thing she finally freed herself, or we would have been in some trouble with the Ranger!

Anyway, your more likely to see a bear in your suburban back yard these days than in the woods, especially with the lack of natural food this year due to the long, cold, wet spring and dry summer. Also bear populations are on a serious rebound, probably more now than there have been in over 100 years, and they sure like back yards, dumpsters and garbage cans! (and thier real hungry right now)

72,
Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
<http://www.qsl.net/kd1jv/index.html>

Date: Thu, 30 Aug 2001 18:44:26 -0400
From: "Tom Bowman" <tbowman@nbn.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [106096] MORE: NN1G QRP transceivers
Message-ID: <008d01c131a5\$52e097a0\$a3a87f3f@tombowma>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry Gang,

Everyone of you who tried to bring up my Web page,
<http://www.wa3rey.com/NN1G.htm>

there really is a web page there, but my ISP is having problems.

I will send out another message when the ISP has fixed things.

Thanks,

Tom, WA3REY

End of QRP-L Digest 2297

